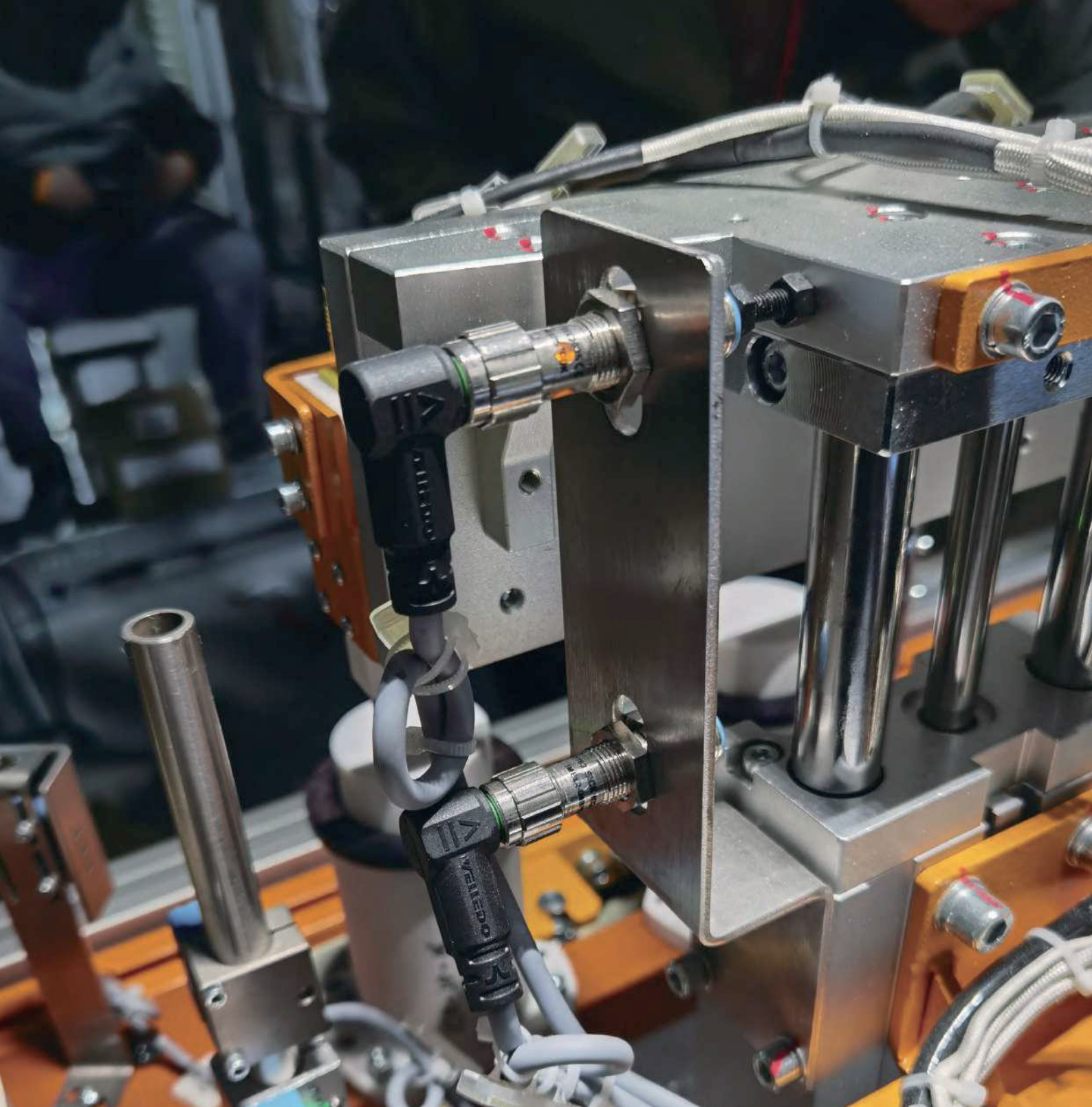


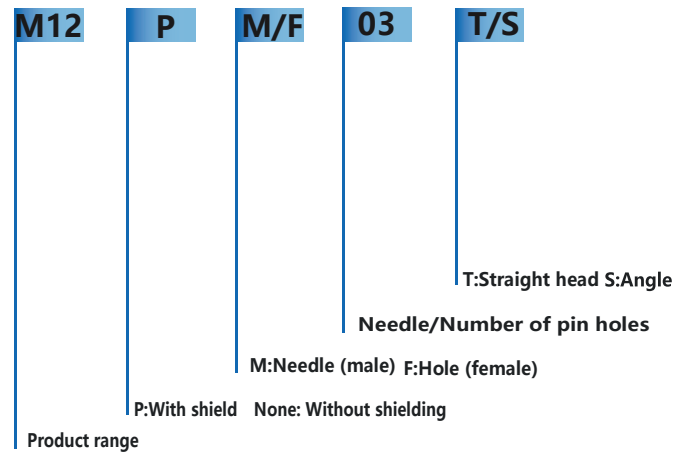


## М12 Разъемы и кабельные соединители

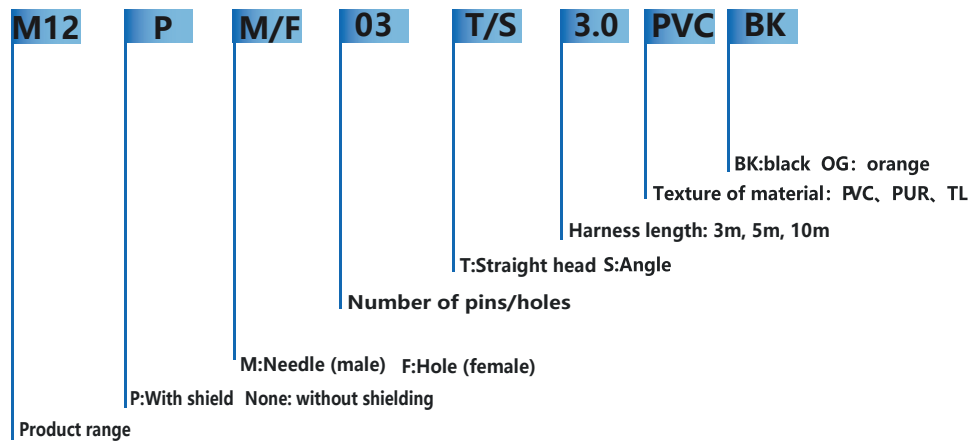


品名: 连接器  
规格: M12 4芯 20A  
Krius 米注: 466-20A  
日期: 2024-10-20

## M12 Connector Designation

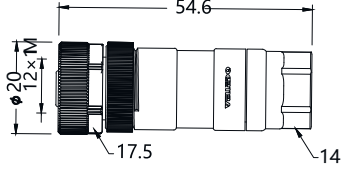
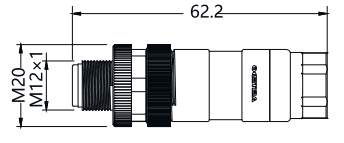
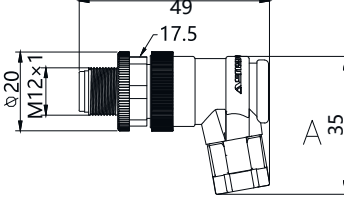
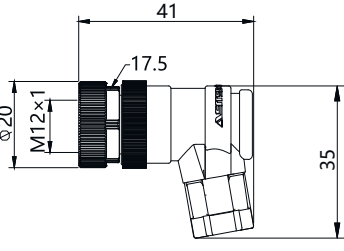
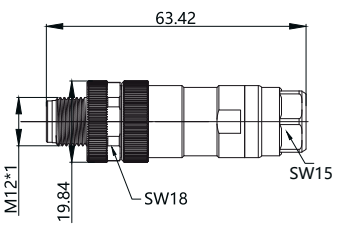


## M12 Connector Harness Naming



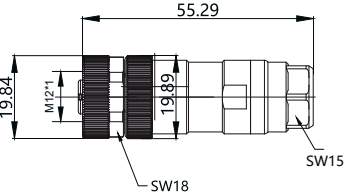
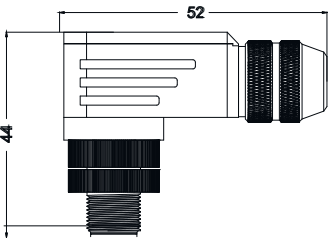
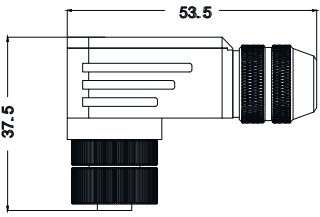
# M12 Connector Designation

Field-wireable Screw terminals

| Product drawing                                                                     | Product size                                                                        | Partnumber | Pins Assignment                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
|    |    | M12-F03T   |    |
|                                                                                     |                                                                                     | M12-F04T   |    |
|                                                                                     |                                                                                     | M12-F05T   |    |
|                                                                                     |                                                                                     | M12-F08T   |    |
|    |    | M12-M03T   |    |
|                                                                                     |                                                                                     | M12-M04T   |    |
|                                                                                     |                                                                                     | M12-M05T   |    |
|                                                                                     |                                                                                     | M12-M08T   |    |
|   |   | M12-M03S   |    |
|                                                                                     |                                                                                     | M12-M04S   |  |
|                                                                                     |                                                                                     | M12-M05S   |  |
|                                                                                     |                                                                                     | M12-M08S   |  |
|  |  | M12-F03S   |  |
|                                                                                     |                                                                                     | M12-F04S   |  |
|                                                                                     |                                                                                     | M12-F05S   |  |
|                                                                                     |                                                                                     | M12-F08S   |  |
|  |  | M12P-M03T  |  |
|                                                                                     |                                                                                     | M12P-M04T  |  |
|                                                                                     |                                                                                     | M12P-M05T  |  |
|                                                                                     |                                                                                     | M12P-M08T  |  |

# M12 Connector Designation

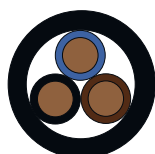
Field-wireable Screw terminals

| Product drawing                                                                    | Product size                                                                       | Partnumber | Pins Assignment                                                                       |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
|   |   | M12P-F03T  |    |
|                                                                                    |                                                                                    | M12P-F04T  |    |
|                                                                                    |                                                                                    | M12P-F05T  |    |
|                                                                                    |                                                                                    | M12P-F08T  |    |
|   |   | M12P-M03S  |    |
|                                                                                    |                                                                                    | M12P-M04S  |    |
|                                                                                    |                                                                                    | M12P-M05S  |    |
|                                                                                    |                                                                                    | M12P-M08S  |    |
|  |  | M12P-F03S  |    |
|                                                                                    |                                                                                    | M12P-F04S  |  |
|                                                                                    |                                                                                    | M12P-F05S  |  |
|                                                                                    |                                                                                    | M12P-F08S  |  |

| Specification and model    | 3core                    | 4core                    | 5core                    | 8core                    |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Rated voltage              | 250V AC/DC               | 250V AC/DC               | 125V AC/DC               | 60V AC/DC                |
| Rated current              | MAX.4A                   | MAX.4A                   | MAX.4A                   | MAX.4A                   |
| Line pressing range        | MAX.0.75mm               | MAX.0.75mm               | MAX.0.75mm               | MAX.0.5mm                |
| ProtectionClass(IEC 60529) | IP65                     | IP65                     | IP65                     | IP65                     |
| Ambient temperature        | -25~+85°C                | -25~+85°C                | -25~+85°C                | -25~+85°C                |
| Housing material           | Flame retardant plastics | Flame retardant plastics | Flame retardant plastics | Flame retardant plastics |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

## Optional cable



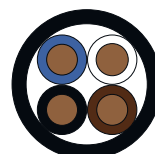
black/BK

## Order model

Shield  
PVC3C0.34P.BK  
PUR3C0.34P.BK  
TL3C0.34P.BK

## Order model

Unshielded  
PVC3C0.34.BK  
PUR3C0.34.BK  
TL3C0.34.BK



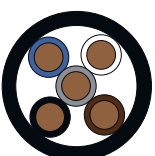
black/BK

## Order model

Shield  
PVC4C0.34P.BK  
PUR4C0.34P.BK  
TL4C0.34P.BK

## Order model

Unshielded  
PVC4C0.34.BK  
PUR4C0.34.BK  
TL4C0.34.BK



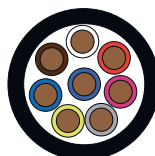
black/BK

## Order model

Shield  
PVC5C0.34P.BK  
PUR5C0.34P.BK  
TL5C0.34P.BK

## Order model

Unshielded  
PVC5C0.34.BK  
PUR5C0.34.BK  
TL5C0.34.BK



black/BK

## Order model

S shield  
PVC8C0.25P.BK  
PUR8C0.25P.BK  
TL8C0.25P.BK

## Order model

Unshielded  
PVC8C0.25.BK  
PUR8C0.25.BK  
TL8C0.25.BK



# M12 Connector Designation

## Front Mounting

| Product drawing | Product size | Hole drawing | Partnumber          | Pins Assignment |
|-----------------|--------------|--------------|---------------------|-----------------|
|                 |              |              | FLQ-M12-M03(M12)-HB |                 |
|                 |              |              | FLQ-M12-M03(PG9)-HB |                 |
|                 |              |              | FLQ-M12-M03(M16)-HB |                 |
|                 |              |              | FLQ-M12-M04(M12)-HB |                 |
|                 |              |              | FLQ-M12-M04(PG9)-HB |                 |
|                 |              |              | FLQ-M12-M04(M16)-HB |                 |
|                 |              |              | FLQ-M12-M05(M12)-HB |                 |
|                 |              |              | FLQ-M12-M05(PG9)-HB |                 |
|                 |              |              | FLQ-M12-M05(M16)-HB |                 |
|                 |              |              | FLQ-M12-M08(M12)-HB |                 |
|                 |              |              | FLQ-M12-M08(PG9)-HB |                 |
|                 |              |              | FLQ-M12-M08(M16)-HB |                 |
|                 |              |              | FLQ-M12-M12(M12)-HB |                 |
|                 |              |              | FLQ-M12-M12(PG9)-HB |                 |
|                 |              |              | FLQ-M12-M12(M16)-HB |                 |
|                 |              |              | FLQ-M12-F03(M12)-HB |                 |
|                 |              |              | FLQ-M12-F03(PG9)-HB |                 |
|                 |              |              | FLQ-M12-F03(M16)-HB |                 |
|                 |              |              | FLQ-M12-F04(M12)-HB |                 |
|                 |              |              | FLQ-M12-F04(PG9)-HB |                 |
|                 |              |              | FLQ-M12-F04(M16)-HB |                 |
|                 |              |              | FLQ-M12-F05(M12)-HB |                 |
|                 |              |              | FLQ-M12-F05(PG9)-HB |                 |
|                 |              |              | FLQ-M12-F05(M16)-HB |                 |
|                 |              |              | FLQ-M12-F08(M12)-HB |                 |
|                 |              |              | FLQ-M12-F08(PG9)-HB |                 |
|                 |              |              | FLQ-M12-F08(M16)-HB |                 |

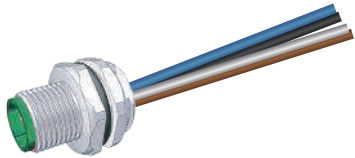
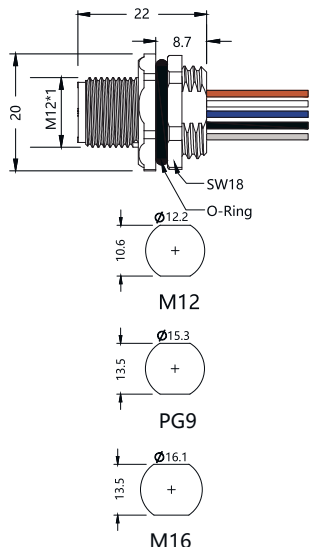
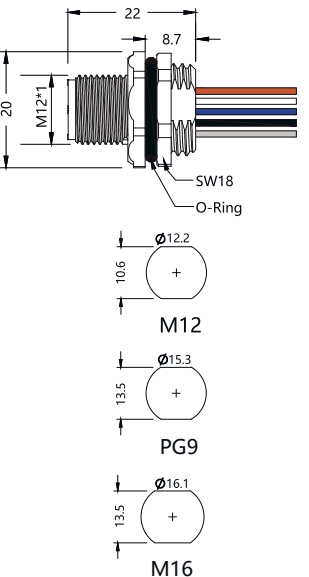
# M12 Connector Designation

## Front Mounting

| Product drawing | Product size | Hole drawing | Partnumber          | Pins Assignment |
|-----------------|--------------|--------------|---------------------|-----------------|
|                 |              |              | FLH-M12-M03(M12)-HB |                 |
|                 |              |              | FLH-M12-M03(PG9)-HB |                 |
|                 |              |              | FLH-M12-M03(M16)-HB |                 |
|                 |              |              | FLH-M12-M04(M12)-HB |                 |
|                 |              |              | FLH-M12-M04(PG9)-HB |                 |
|                 |              |              | FLH-M12-M04(M16)-HB |                 |
|                 |              |              | FLH-M12-M05(M12)-HB |                 |
|                 |              |              | FLH-M12-M05(PG9)-HB |                 |
|                 |              |              | FLH-M12-M05(M16)-HB |                 |
|                 |              |              | FLH-M12-M08(M12)-HB |                 |
|                 |              |              | FLH-M12-M08(PG9)-HB |                 |
|                 |              |              | FLH-M12-M08(M16)-HB |                 |
|                 |              |              | FLH-M12-M12(M12)-HB |                 |
|                 |              |              | FLH-M12-M12(PG9)-HB |                 |
|                 |              |              | FLH-M12-M12(M16)-HB |                 |
|                 |              |              | FLH-M12-F03(PG9)-HB |                 |
|                 |              |              | FLH-M12-F03(M16)-HB |                 |
|                 |              |              | FLH-M12-F04(PG9)-HB |                 |
|                 |              |              | FLH-M12-F04(M16)-HB |                 |
|                 |              |              | FLH-M12-F05(PG9)-HB |                 |
|                 |              |              | FLH-M12-F05(M16)-HB |                 |
|                 |              |              | FLH-M12-F08(PG9)-HB |                 |
|                 |              |              | FLH-M12-F08(M16)-HB |                 |

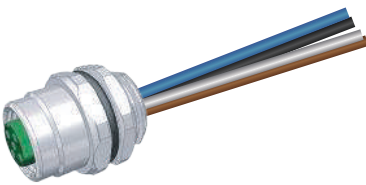
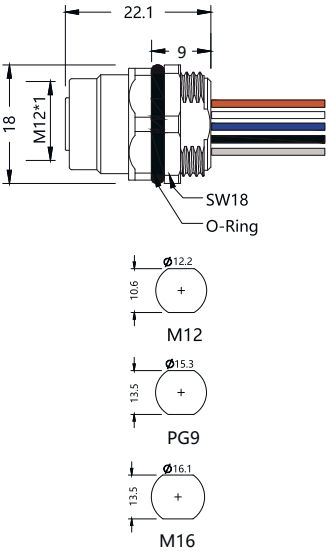
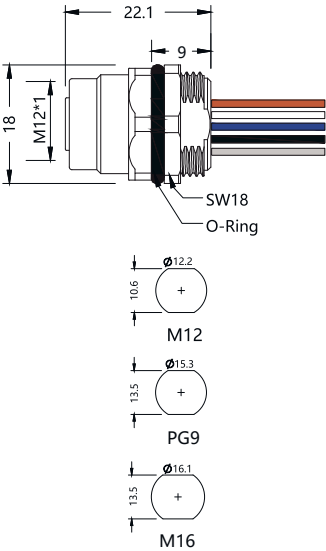
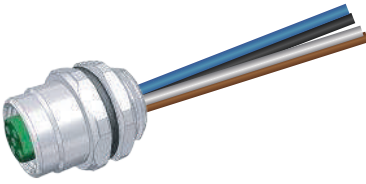
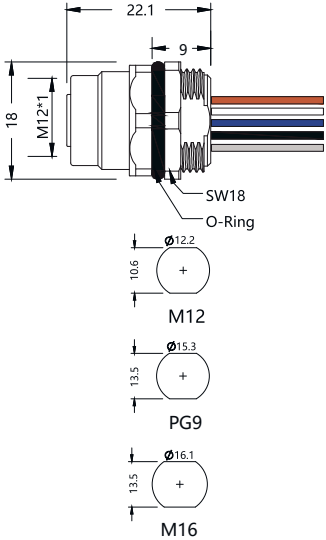
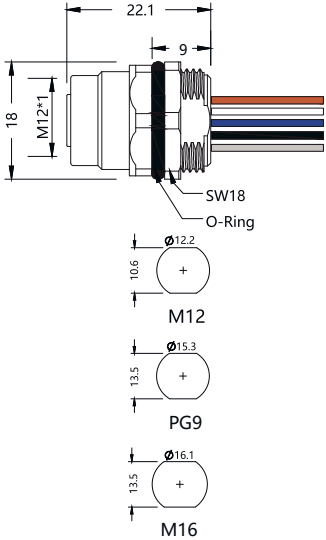
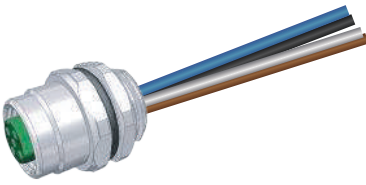
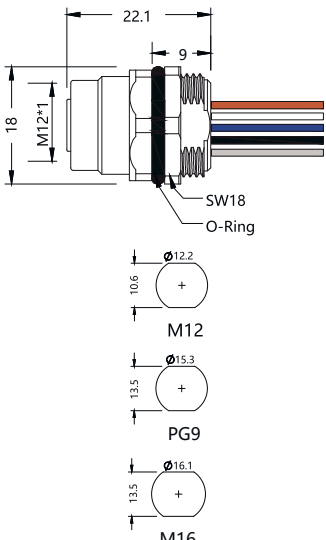
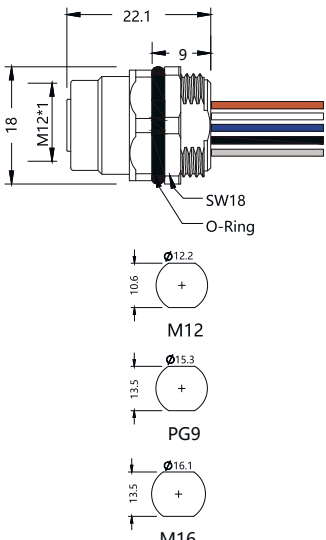
# M12 Connector Designation

## Front Mounting

| Product drawing                                                                   | Product size                                                                      | Hole drawing                                                                       | Partnumber                                                                                                                                                                                                           | Pins Assignment                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  | FLQ-M12-M03(M12)-0.2<br>FLQ-M12-M03(M12)-0.3<br>FLQ-M12-M03(M12)-0.5<br>FLQ-M12-M03(PG9)-0.2<br>FLQ-M12-M03(PG9)-0.3<br>FLQ-M12-M03(PG9)-0.5<br>FLQ-M12-M03(M16)-0.2<br>FLQ-M12-M03(M16)-0.3<br>FLQ-M12-M03(M16)-0.5 |    |
|                                                                                   |                                                                                   |                                                                                    | FLQ-M12-M04(M12)-0.2<br>FLQ-M12-M04(M12)-0.3<br>FLQ-M12-M04(M12)-0.5<br>FLQ-M12-M04(PG9)-0.2<br>FLQ-M12-M04(PG9)-0.3<br>FLQ-M12-M04(PG9)-0.5<br>FLQ-M12-M04(M16)-0.2<br>FLQ-M12-M04(M16)-0.3<br>FLQ-M12-M04(M16)-0.5 |    |
|                                                                                   |                                                                                   |                                                                                    | FLQ-M12-M05(M12)-0.2<br>FLQ-M12-M05(M12)-0.3<br>FLQ-M12-M05(M12)-0.5<br>FLQ-M12-M05(PG9)-0.2<br>FLQ-M12-M05(PG9)-0.3<br>FLQ-M12-M05(PG9)-0.5<br>FLQ-M12-M05(M16)-0.2<br>FLQ-M12-M05(M16)-0.3<br>FLQ-M12-M05(M16)-0.5 |   |
|                                                                                   |                                                                                   |                                                                                    | FLQ-M12-M08(M12)-0.2<br>FLQ-M12-M08(M12)-0.3<br>FLQ-M12-M08(M12)-0.5<br>FLQ-M12-M08(PG9)-0.2<br>FLQ-M12-M08(PG9)-0.3<br>FLQ-M12-M08(PG9)-0.5<br>FLQ-M12-M08(M16)-0.2<br>FLQ-M12-M08(M16)-0.3<br>FLQ-M12-M08(M16)-0.5 |  |
|                                                                                   |                                                                                   |                                                                                    | FLQ-M12-M12(M12)-0.2<br>FLQ-M12-M12(M12)-0.3<br>FLQ-M12-M12(M12)-0.5<br>FLQ-M12-M12(PG9)-0.2<br>FLQ-M12-M12(PG9)-0.3<br>FLQ-M12-M12(PG9)-0.5<br>FLQ-M12-M12(M16)-0.2<br>FLQ-M12-M12(M16)-0.3<br>FLQ-M12-M12(M16)-0.5 |  |
|                                                                                   |                                                                                   |                                                                                    | FLQ-M12-M17(M12)-0.2<br>FLQ-M12-M17(M12)-0.3<br>FLQ-M12-M17(M12)-0.5<br>FLQ-M12-M17(PG9)-0.2<br>FLQ-M12-M17(PG9)-0.3<br>FLQ-M12-M17(PG9)-0.5<br>FLQ-M12-M17(M16)-0.2<br>FLQ-M12-M17(M16)-0.3<br>FLQ-M12-M17(M16)-0.5 |  |

# M12 Connector Sesignation

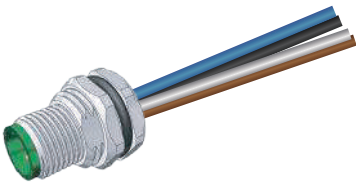
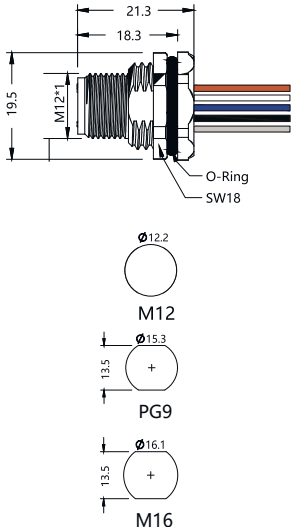
Front Mounting

| Product drawing                                                                     | Product size                                                                        | Hole drawing                                                                        | Partnumber                                                                                                                                                                                                           | Pins Assignment                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    |    |    | FLQ-M12-F03(M12)-0.2<br>FLQ-M12-F03(M12)-0.3<br>FLQ-M12-F03(M12)-0.5<br>FLQ-M12-F03(PG9)-0.2<br>FLQ-M12-F03(PG9)-0.3<br>FLQ-M12-F03(PG9)-0.5<br>FLQ-M12-F03(M16)-0.2<br>FLQ-M12-F03(M16)-0.3<br>FLQ-M12-F03(M16)-0.5 |    |
|                                                                                     |                                                                                     |                                                                                     | FLQ-M12-F04(M12)-0.2<br>FLQ-M12-F04(M12)-0.3<br>FLQ-M12-F04(M12)-0.5<br>FLQ-M12-F04(PG9)-0.2<br>FLQ-M12-F04(PG9)-0.3<br>FLQ-M12-F04(PG9)-0.5<br>FLQ-M12-F04(M16)-0.2<br>FLQ-M12-F04(M16)-0.3<br>FLQ-M12-F04(M16)-0.5 |    |
|  |   |   | FLQ-M12-F05(M12)-0.2<br>FLQ-M12-F05(M12)-0.3<br>FLQ-M12-F05(M12)-0.5<br>FLQ-M12-F05(PG9)-0.2<br>FLQ-M12-F05(PG9)-0.3<br>FLQ-M12-F05(PG9)-0.5<br>FLQ-M12-F05(M16)-0.2<br>FLQ-M12-F05(M16)-0.3<br>FLQ-M12-F05(M16)-0.5 |   |
|                                                                                     |                                                                                     |                                                                                     | FLQ-M12-F08(M12)-0.2<br>FLQ-M12-F08(M12)-0.3<br>FLQ-M12-F08(M12)-0.5<br>FLQ-M12-F08(PG9)-0.2<br>FLQ-M12-F08(PG9)-0.3<br>FLQ-M12-F08(PG9)-0.5<br>FLQ-M12-F08(M16)-0.2<br>FLQ-M12-F08(M16)-0.3<br>FLQ-M12-F08(M16)-0.5 |  |
|  |  |  | FLQ-M12-F12(M12)-0.2<br>FLQ-M12-F12(M12)-0.3<br>FLQ-M12-F12(M12)-0.5<br>FLQ-M12-F12(PG9)-0.2<br>FLQ-M12-F12(PG9)-0.3<br>FLQ-M12-F12(PG9)-0.5<br>FLQ-M12-F12(M16)-0.2<br>FLQ-M12-F12(M16)-0.3<br>FLQ-M12-F12(M16)-0.5 |  |
|                                                                                     |                                                                                     |                                                                                     | FLQ-M12-F17(M12)-0.2<br>FLQ-M12-F17(M12)-0.3<br>FLQ-M12-F17(M12)-0.5<br>FLQ-M12-F17(PG9)-0.2<br>FLQ-M12-F17(PG9)-0.3<br>FLQ-M12-F17(PG9)-0.5<br>FLQ-M12-F17(M16)-0.2<br>FLQ-M12-F17(M16)-0.3<br>FLQ-M12-F17(M16)-0.5 |  |



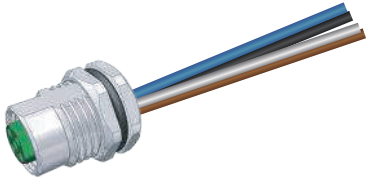
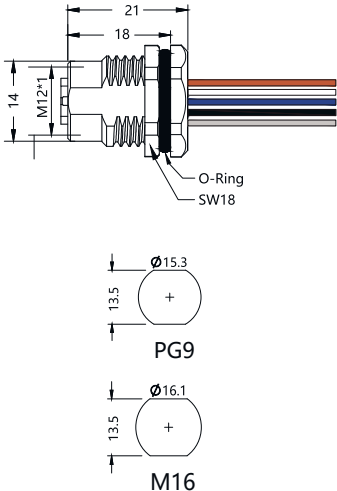
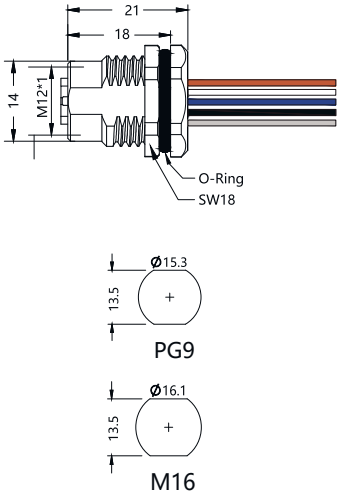
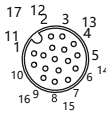
# M12 Connector Designation

## Back Mounting

| Product drawing                                                                   | Product size Hole drawing                                                         | Partnumber                                                                                                                                                                                                           | Pins Assignment                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  | FLH-M12-M03(M12)-0.2<br>FLH-M12-M03(M12)-0.3<br>FLH-M12-M03(M12)-0.5<br>FLH-M12-M03(PG9)-0.2<br>FLH-M12-M03(PG9)-0.3<br>FLH-M12-M03(PG9)-0.5<br>FLH-M12-M03(M16)-0.2<br>FLH-M12-M03(M16)-0.3<br>FLH-M12-M03(M16)-0.5 |    |
|                                                                                   |                                                                                   | FLH-M12-M04(M12)-0.2<br>FLH-M12-M04(M12)-0.3<br>FLH-M12-M04(M12)-0.5<br>FLH-M12-M04(PG9)-0.2<br>FLH-M12-M04(PG9)-0.3<br>FLH-M12-M04(PG9)-0.5<br>FLH-M12-M04(M16)-0.2<br>FLH-M12-M04(M16)-0.3<br>FLH-M12-M04(M16)-0.5 |    |
|                                                                                   |                                                                                   | FLH-M12-M05(M12)-0.2<br>FLH-M12-M05(M12)-0.3<br>FLH-M12-M05(M12)-0.5<br>FLH-M12-M05(PG9)-0.2<br>FLH-M12-M05(PG9)-0.3<br>FLH-M12-M05(PG9)-0.5<br>FLH-M12-M05(M16)-0.2<br>FLH-M12-M05(M16)-0.3<br>FLH-M12-M05(M16)-0.5 |   |
|                                                                                   |                                                                                   | FLH-M12-M08(M12)-0.2<br>FLH-M12-M08(M12)-0.3<br>FLH-M12-M08(M12)-0.5<br>FLH-M12-M08(PG9)-0.2<br>FLH-M12-M08(PG9)-0.3<br>FLH-M12-M08(PG9)-0.5<br>FLH-M12-M08(M16)-0.2<br>FLH-M12-M08(M16)-0.3<br>FLH-M12-M08(M16)-0.5 |  |
|                                                                                   |                                                                                   | FLH-M12-M12(M12)-0.2<br>FLH-M12-M12(M12)-0.3<br>FLH-M12-M12(M12)-0.5<br>FLH-M12-M12(PG9)-0.2<br>FLH-M12-M12(PG9)-0.3<br>FLH-M12-M12(PG9)-0.5<br>FLH-M12-M12(M16)-0.2<br>FLH-M12-M12(M16)-0.3<br>FLH-M12-M12(M16)-0.5 |  |
|                                                                                   |                                                                                   | FLH-M12-M17(M12)-0.2<br>FLH-M12-M17(M12)-0.3<br>FLH-M12-M17(M12)-0.5<br>FLH-M12-M17(PG9)-0.2<br>FLH-M12-M17(PG9)-0.3<br>FLH-M12-M17(PG9)-0.5<br>FLH-M12-M17(M16)-0.2<br>FLH-M12-M17(M16)-0.3<br>FLH-M12-M17(M16)-0.5 |  |

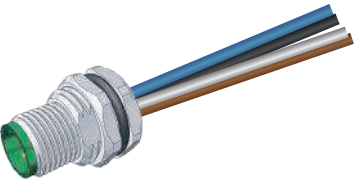
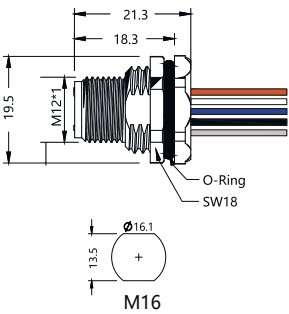
# M12 Connector Designation

Back Mounting

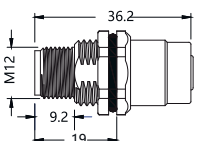
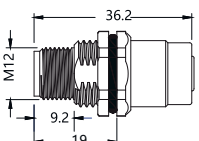
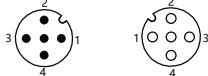
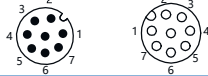
| Product drawing                                                                   | Product size                                                                      | Hole drawing                                                                      | Partnumber                                                                                                                                   | Pins Assignment                                                                       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  | FLH-M12-F03(PG9)-0.2<br>FLH-M12-F03(PG9)-0.3<br>FLH-M12-F03(PG9)-0.5<br>FLH-M12-F03(M16)-0.2<br>FLH-M12-F03(M16)-0.3<br>FLH-M12-F03(M16)-0.5 |    |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-SF04(PG9)-0.2<br>FLH-M12-SF04(PG9)-0.3<br>FLH-M12-SF04(PG9)-0.5                                                                      |    |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-TF04(PG9)-0.2<br>FLH-M12-TF04(PG9)-0.3<br>FLH-M12-TF04(PG9)-0.5                                                                      |    |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-TF04(M16)-0.2<br>FLH-M12-TF04(M16)-0.3<br>FLH-M12-TF04(M16)-0.5                                                                      |    |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-F04(PG9)-0.2<br>FLH-M12-F04(PG9)-0.3<br>FLH-M12-F04(PG9)-0.5<br>FLH-M12-F04(M16)-0.2<br>FLH-M12-F04(M16)-0.3<br>FLH-M12-F04(M16)-0.5 |    |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-F05(PG9)-0.2<br>FLH-M12-F05(PG9)-0.3<br>FLH-M12-F05(PG9)-0.5<br>FLH-M12-F05(M16)-0.2<br>FLH-M12-F05(M16)-0.3<br>FLH-M12-F05(M16)-0.5 |  |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-F08(PG9)-0.2<br>FLH-M12-F08(PG9)-0.3<br>FLH-M12-F08(PG9)-0.5<br>FLH-M12-F08(M16)-0.2<br>FLH-M12-F08(M16)-0.3<br>FLH-M12-F08(M16)-0.5 |  |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-F12(PG9)-0.2<br>FLH-M12-F12(PG9)-0.3<br>FLH-M12-F12(PG9)-0.5<br>FLH-M12-F12(M16)-0.2<br>FLH-M12-F12(M16)-0.3<br>FLH-M12-F12(M16)-0.5 |  |
|                                                                                   |                                                                                   |                                                                                   | FLH-M12-F17(PG9)-0.2<br>FLH-M12-F17(PG9)-0.3<br>FLH-M12-F17(PG9)-0.5<br>FLH-M12-F17(M16)-0.2<br>FLH-M12-F17(M16)-0.3<br>FLH-M12-F17(M16)-0.5 |  |

# M12 Connector Designation

## Back Mounting

| Product drawing                                                                   | Product size                                                                      | Hole drawing | Partnumber                                                              | Pins Assignment                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |              | FLH-M12-TM04(M16)-0.2<br>FLH-M12-TM04(M16)-0.3<br>FLH-M12-TM04(M16)-0.5 |  |

## Two-way flange

| Product drawing                                                                    | Product size                                                                       | Hole drawing                                                                       | Specification and model | Hole location definition                                                              |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------|
|   |   |   | FL-M12-M03/F03(M16)     |    |
|                                                                                    |                                                                                    |                                                                                    | FL-M12-M04/F04(M16)     |    |
|  |  |  | FL-M12-M05/F05(M16)     |   |
|                                                                                    |                                                                                    |                                                                                    | FL-M12-M08/F08(M16)     |  |

|                            |            |           |
|----------------------------|------------|-----------|
| Rated voltage              | 125V AC/DC | 60V AC/DC |
| Rated current              | MAX.4A     |           |
| ProtectionClass(IEC 60529) | IP67       |           |
| Ambient temperature        | -25~+85°C  |           |

# M12 Connector Designation

## Y-type connector

| Product drawing | Product size | Circuit & PN           | Circuit & PN           | Pin Assignment & PN    |
|-----------------|--------------|------------------------|------------------------|------------------------|
|                 |              | <br>Y-M12-F05/M05/F05B | <br>Y-M12-F04/M04/F04B | <br>Y-M12-F04/M04/F04B |
|                 |              | <br>Y-M12-F05/M05/F05A | <br>Y-M12-F04/M04/F04A | <br>Y-M12-F05/M05/F05A |
|                 |              | <br>Y-M12-M04/M8-2F03C | <br>Y-M12-M04/M8-2F04A | <br>Y-M12-M04/M8-2F04A |
|                 |              | <br>Y-M12-M04/M8-2F04B | <br>Y-M12-M04/M8-2F04B | <br>Y-M12-M04/M8-2F04B |
|                 |              | <br>Y-M12-M05/2F04C    | <br>Y-M12-M05/2F04B    | <br>Y-M12-M05/2F04C    |
|                 |              | <br>Y-M12-M05/2F05D    | <br>Y-M12-M05/2F05A    | <br>Y-M12-M05/2F05D    |

Rated voltage 60V AC/DC

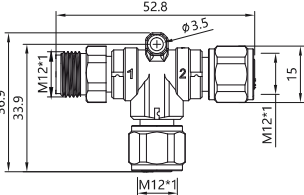
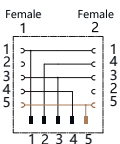
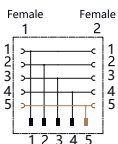
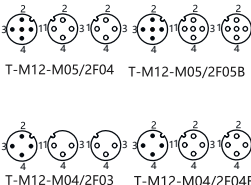
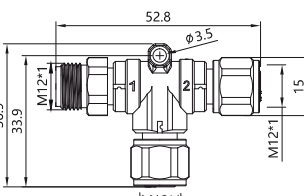
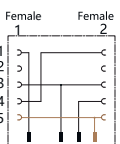
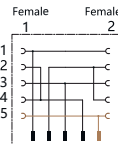
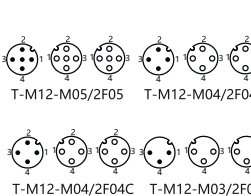
Rated current MAX.4A

ProtectionClass(IEC 60529) IP67

A mbient temperature -25~+85℃

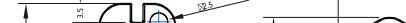
## M12 Connector Designation

### T-type connector

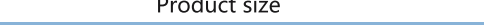
| Product drawing                                                                                  | Product size                                                                      | Circuit & PN                                                                                                           | Circuit & PN                                                                                                             | Pin Assignment & PN                                                                                                                                     |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>Male Female |  | <br>T-M12-M05/2F04<br>T-M12-M04/2F03  | <br>T-M12-M05/2F05B<br>T-M12-M04/2F04B | <br>T-M12-M05/2F04 T-M12-M05/2F05B<br>T-M12-M04/2F03 T-M12-M04/2F04B |
| <br>Male Female |  | <br>T-M12-M04/2F04C<br>T-M12-M03/2F03 | <br>T-M12-M05/2F05<br>T-M12-M04/2F04   | <br>T-M12-M05/2F05 T-M12-M04/2F04<br>T-M12-M04/2F04C T-M12-M03/2F03  |

|                            |           |
|----------------------------|-----------|
| Rated voltage              | 60V AC/DC |
| Rated current              | MAX.4A    |
| ProtectionClass(IEC 60529) | IP67      |
| Ambient temperature        | -25~+85°C |

M12Female plastic dust cover (external thread)

| Product drawing                                                                     | Product size                                                                        | Pins Assignment                                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  |  | <br><br>M12-F-FCG/S |

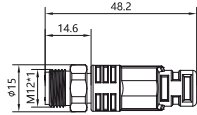
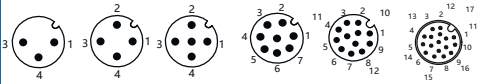
M12Fixed frame

| Product drawing                                                                     | Product size                                                                         | Pins Assignment |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|
|  |  | M12-GDJ         |



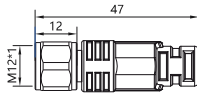
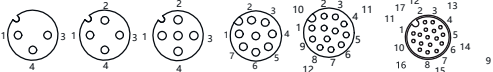
# M12 Connector Harness

With Open End

| Product drawing                                                                   | Product size                                                                      | Pin Assignment                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |

| Material and Length |           | Male head3core            | Male head4core      | Male head5core            | Male head8core      | Common spare parts       |
|---------------------|-----------|---------------------------|---------------------|---------------------------|---------------------|--------------------------|
| PVC                 | black3m   | M12-M03T-3.0PVC/BK        | M12-M04T-3.0PVC/BK  | M12-M05T-3.0PVC/BK        | M12-M08T-3.0PVC/BK  |                          |
| PVC                 | black5m   | M12-M03T-5.0PVC/BK        | M12-M04T-5.0PVC/BK  | M12-M05T-5.0PVC/BK        | M12-M08T-5.0PVC/BK  |                          |
| PVC                 | black10m  | M12-M03T-10.0PVC/BK       | M12-M04T-10.0PVC/BK | M12-M05T-10.0PVC/BK       | M12-M08T-10.0PVC/BK |                          |
| PUR                 | black3m   | M12-M03T-3.0PUR/BK        | M12-M04T-3.0PUR/BK  | M12-M05T-3.0PUR/BK        | M12-M08T-3.0PUR/BK  |                          |
| PUR                 | black5m   | M12-M03T-5.0PUR/BK        | M12-M04T-5.0PUR/BK  | M12-M05T-5.0PUR/BK        | M12-M08T-5.0PUR/BK  |                          |
| PUR                 | black10m  | M12-M03T-10.0PUR/BK       | M12-M04T-10.0PUR/BK | M12-M05T-10.0PUR/BK       | M12-M08T-10.0PUR/BK |                          |
| DragChain           | black3m   | M12-M03T-3.0TL/BK         | M12-M04T-3.0TL/BK   | M12-M05T-3.0TL/BK         | M12-M08T-3.0TL/BK   |                          |
| DragChain           | black5m   | M12-M03T-5.0TL/BK         | M12-M04T-5.0TL/BK   | M12-M05T-5.0TL/BK         | M12-M08T-5.0TL/BK   |                          |
| DragChain           | black10m  | M12-M03T-10.0TL/BK        | M12-M04T-10.0TL/BK  | M12-M05T-10.0TL/BK        | M12-M08T-10.0TL/BK  |                          |
| Anti-Welding        | orange3m  | M12-M03T-3.0FH/OG         | M12-M04T-3.0FH/OG   | M12-M05T-3.0FH/OG         | M12-M08T-3.0FH/OG   |                          |
| Anti-Welding        | orange5m  | M12-M03T-5.0FH/OG         | M12-M04T-5.0FH/OG   | M12-M05T-5.0FH/OG         | M12-M08T-5.0FH/OG   |                          |
| Anti-Welding        | orange10m | M12-M03T-10.0FH/OG        | M12-M04T-10.0FH/OG  | M12-M05T-10.0FH/OG        | M12-M08T-10.0FH/OG  |                          |
| Grey cable          | GY        | Rated voltage:250 V AC/DC |                     | Rated voltage:125 V AC/DC |                     | Rated voltage:60 V AC/DC |
| Material and Length |           | Male head12core           |                     | Male head17core           |                     |                          |
| PVC                 | black3m   | M12-M12T-3.0PVC/BK        |                     | M12-M17T-3.0PVC/BK        |                     |                          |
| PVC                 | black5m   | M12-M12T-5.0PVC/BK        |                     | M12-M17T-5.0PVC/BK        |                     |                          |
| PVC                 | black10m  | M12-M12T-10.0PVC/BK       |                     | M12-M17T-10.0PVC/BK       |                     |                          |
| PUR                 | black3m   | M12-M12T-3.0PUR/BK        |                     | M12-M17T-3.0PUR/BK        |                     |                          |
| PUR                 | black5m   | M12-M12T-5.0PUR/BK        |                     | M12-M17T-5.0PUR/BK        |                     |                          |
| PUR                 | black10m  | M12-M12T-10.0PUR/BK       |                     | M12-M17T-10.0PUR/BK       |                     |                          |
| DragChain           | black3m   | M12-M12T-3.0TL/BK         |                     | M12-M17T-3.0TL/BK         |                     |                          |
| DragChain           | black5m   | M12-M12T-5.0TL/BK         |                     | M12-M17T-5.0TL/BK         |                     |                          |
| DragChain           | black10m  | M12-M12T-10.0TL/BK        |                     | M12-M17T-10.0TL/BK        |                     |                          |
| Grey cable          | GY        | Rated voltage:30V AC/DC   |                     | Rated voltage:30 V AC/DC  |                     |                          |

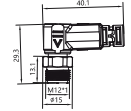
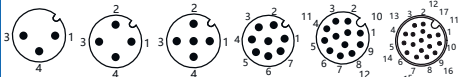
With Open End

| Product drawing                                                                     | Product size                                                                        | Pin Assignment                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |

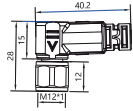
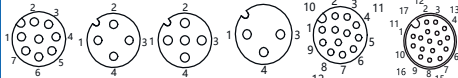
| Material and Length |           | Female head3core          | Female head4core    | Female head5core          | Female head8core    | Common spare parts       |
|---------------------|-----------|---------------------------|---------------------|---------------------------|---------------------|--------------------------|
| PVC                 | black3m   | M12-F03T-3.0PVC/BK        | M12-F04T-3.0PVC/BK  | M12-F05T-3.0PVC/BK        | M12-F08T-3.0PVC/BK  |                          |
| PVC                 | black5m   | M12-F03T-5.0PVC/BK        | M12-F04T-5.0PVC/BK  | M12-F05T-5.0PVC/BK        | M12-F08T-5.0PVC/BK  |                          |
| PVC                 | black10m  | M12-F03T-10.0PVC/BK       | M12-F04T-10.0PVC/BK | M12-F05T-10.0PVC/BK       | M12-F08T-10.0PVC/BK |                          |
| PUR                 | black3m   | M12-F03T-3.0PUR/BK        | M12-F04T-3.0PUR/BK  | M12-F05T-3.0PUR/BK        | M12-F08T-3.0PUR/BK  |                          |
| PUR                 | black5m   | M12-F03T-5.0PUR/BK        | M12-F04T-5.0PUR/BK  | M12-F05T-5.0PUR/BK        | M12-F08T-5.0PUR/BK  |                          |
| PUR                 | black10m  | M12-F03T-10.0PUR/BK       | M12-F04T-10.0PUR/BK | M12-F05T-10.0PUR/BK       | M12-F08T-10.0PUR/BK |                          |
| DragChain           | black3m   | M12-F03T-3.0TL/BK         | M12-F04T-3.0TL/BK   | M12-F05T-3.0TL/BK         | M12-F08T-3.0TL/BK   |                          |
| DragChain           | black5m   | M12-F03T-5.0TL/BK         | M12-F04T-5.0TL/BK   | M12-F05T-5.0TL/BK         | M12-F08T-5.0TL/BK   |                          |
| DragChain           | black10m  | M12-F03T-10.0TL/BK        | M12-F04T-10.0TL/BK  | M12-F05T-10.0TL/BK        | M12-F08T-10.0TL/BK  |                          |
| Anti-Welding        | orange3m  | M12-F03T-3.0FH/OG         | M12-F04T-3.0FH/OG   | M12-F05T-3.0FH/OG         | M12-F08T-3.0FH/OG   |                          |
| Anti-Welding        | orange5m  | M12-F03T-5.0FH/OG         | M12-F04T-5.0FH/OG   | M12-F05T-5.0FH/OG         | M12-F08T-5.0FH/OG   |                          |
| Anti-Welding        | orange10m | M12-F03T-10.0FH/OG        | M12-F04T-10.0FH/OG  | M12-F05T-10.0FH/OG        | M12-F08T-10.0FH/OG  |                          |
| Grey cable          | GY        | Rated voltage:250 V AC/DC |                     | Rated voltage:125 V AC/DC |                     | Rated voltage:60 V AC/DC |
| Material and Length |           | Female head12core         |                     | Female head17core         |                     |                          |
| PVC                 | black3m   | M12-F12T-3.0PVC/BK        |                     | M12-F17T-3.0PVC/BK        |                     |                          |
| PVC                 | black5m   | M12-F12T-5.0PVC/BK        |                     | M12-F17T-5.0PVC/BK        |                     |                          |
| PVC                 | black10m  | M12-F12T-10.0PVC/BK       |                     | M12-F17T-10.0PVC/BK       |                     |                          |
| PUR                 | black3m   | M12-F12T-3.0PUR/BK        |                     | M12-F17T-3.0PUR/BK        |                     |                          |
| PUR                 | black5m   | M12-F12T-5.0PUR/BK        |                     | M12-F17T-5.0PUR/BK        |                     |                          |
| PUR                 | black10m  | M12-F12T-10.0PUR/BK       |                     | M12-F17T-10.0PUR/BK       |                     |                          |
| DragChain           | black3m   | M12-F12T-3.0TL/BK         |                     | M12-F17T-3.0TL/BK         |                     |                          |
| DragChain           | black5m   | M12-F12T-5.0TL/BK         |                     | M12-F17T-5.0TL/BK         |                     |                          |
| DragChain           | black10m  | M12-F12T-10.0TL/BK        |                     | M12-F17T-10.0TL/BK        |                     |                          |
| Grey cable          | GY        | Rated voltage:30V AC/DC   |                     | Rated voltage:30 V AC/DC  |                     |                          |

# M12 Connector Harness

With Open End

| Product drawing                                                                   |           | Product size                                                                      |                     | Pin Assignment                                                                     |                          |                    |
|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|--------------------------|--------------------|
|  |           |  |                     |  |                          |                    |
| Material and Length                                                               |           | Male head3core                                                                    | Male head4core      | Male head5core                                                                     | Male head8core           | Common spare parts |
| PVC                                                                               | black3m   | M12-M03S-3.0PVC/BK                                                                | M12-M04S-3.0PVC/BK  | M12-M05S-3.0PVC/BK                                                                 | M12-M08S-3.0PVC/BK       |                    |
| PVC                                                                               | black5m   | M12-M03S-5.0PVC/BK                                                                | M12-M04S-5.0PVC/BK  | M12-M05S-5.0PVC/BK                                                                 | M12-M08S-5.0PVC/BK       |                    |
| PVC                                                                               | black10m  | M12-M03S-10.0PVC/BK                                                               | M12-M04S-10.0PVC/BK | M12-M05S-10.0PVC/BK                                                                | M12-M08S-10.0PVC/BK      |                    |
| PUR                                                                               | black3m   | M12-M03S-3.0PUR/BK                                                                | M12-M04S-3.0PUR/BK  | M12-M05S-3.0PUR/BK                                                                 | M12-M08S-3.0PUR/BK       |                    |
| PUR                                                                               | black5m   | M12-M03S-5.0PUR/BK                                                                | M12-M04S-5.0PUR/BK  | M12-M05S-5.0PUR/BK                                                                 | M12-M08S-5.0PUR/BK       |                    |
| PUR                                                                               | black10m  | M12-M03S-10.0PUR/BK                                                               | M12-M04S-10.0PUR/BK | M12-M05S-10.0PUR/BK                                                                | M12-M08S-10.0PUR/BK      |                    |
| DragChain                                                                         | black3m   | M12-M03S-3.0TL/BK                                                                 | M12-M04S-3.0TL/BK   | M12-M05S-3.0TL/BK                                                                  | M12-M08S-3.0TL/BK        |                    |
| DragChain                                                                         | black5m   | M12-M03S-5.0TL/BK                                                                 | M12-M04S-5.0TL/BK   | M12-M05S-5.0TL/BK                                                                  | M12-M08S-5.0TL/BK        |                    |
| DragChain                                                                         | black10m  | M12-M03S-10.0TL/BK                                                                | M12-M04S-10.0TL/BK  | M12-M05S-10.0TL/BK                                                                 | M12-M08S-10.0TL/BK       |                    |
| Anti-Welding                                                                      | orange3m  | M12-M03S-3.0FH/OG                                                                 | M12-M04S-3.0FH/OG   | M12-M05S-3.0FH/OG                                                                  | M12-M08S-3.0FH/OG        |                    |
| Anti-Welding                                                                      | orange5m  | M12-M03S-5.0FH/OG                                                                 | M12-M04S-5.0FH/OG   | M12-M05S-5.0FH/OG                                                                  | M12-M08S-5.0FH/OG        |                    |
| Anti-Welding                                                                      | orange10m | M12-M03S-10.0FH/OG                                                                | M12-M04S-10.0FH/OG  | M12-M05S-10.0FH/OG                                                                 | M12-M08S-10.0FH/OG       |                    |
| Grey cable                                                                        | GY        | Rated voltage:250 V AC/DC                                                         |                     | Rated voltage:125 V AC/DC                                                          | Rated voltage:60 V AC/DC |                    |
| Material and Length                                                               |           | Male head12core                                                                   |                     | Male head17core                                                                    |                          |                    |
| PVC                                                                               | black3m   | M12-M12S-3.0PVC/BK                                                                |                     | M12-M17S-3.0PVC/BK                                                                 |                          |                    |
| PVC                                                                               | black5m   | M12-M12S-5.0PVC/BK                                                                |                     | M12-M17S-5.0PVC/BK                                                                 |                          |                    |
| PVC                                                                               | black10m  | M12-M12S-10.0PVC/BK                                                               |                     | M12-M17S-10.0PVC/BK                                                                |                          |                    |
| PUR                                                                               | black3m   | M12-M12S-3.0PUR/BK                                                                |                     | M12-M17S-3.0PUR/BK                                                                 |                          |                    |
| PUR                                                                               | black5m   | M12-M12S-5.0PUR/BK                                                                |                     | M12-M17S-5.0PUR/BK                                                                 |                          |                    |
| PUR                                                                               | black10m  | M12-M12S-10.0PUR/BK                                                               |                     | M12-M17S-10.0PUR/BK                                                                |                          |                    |
| DragChain                                                                         | black3m   | M12-M12S-3.0TL/BK                                                                 |                     | M12-M17S-3.0TL/BK                                                                  |                          |                    |
| DragChain                                                                         | black5m   | M12-M12S-5.0TL/BK                                                                 |                     | M12-M17S-5.0TL/BK                                                                  |                          |                    |
| DragChain                                                                         | black10m  | M12-M12S-10.0TL/BK                                                                |                     | M12-M17S-10.0TL/BK                                                                 |                          |                    |
| Grey cable                                                                        | GY        | Rated voltage:30V AC/DC                                                           |                     | Rated voltage:30 V AC/DC                                                           |                          |                    |

With Open End

| Product drawing                                                                     |           | Product size                                                                        |                     | Pin Assignment                                                                       |                          |                    |
|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------|--------------------------|--------------------|
|  |           |  |                     |  |                          |                    |
| Material and Length                                                                 |           | Female head3core                                                                    | Female head4core    | Female head5core                                                                     | Female head8core         |                    |
| PVC                                                                                 | black3m   | M12-F03S-3.0PVC/BK                                                                  | M12-F04S-3.0PVC/BK  | M12-F05S-3.0PVC/BK                                                                   | M12-F08S-3.0PVC/BK       | Common spare parts |
| PVC                                                                                 | black5m   | M12-F03S-5.0PVC/BK                                                                  | M12-F04S-5.0PVC/BK  | M12-F05S-5.0PVC/BK                                                                   | M12-F08S-5.0PVC/BK       |                    |
| PVC                                                                                 | black10m  | M12-F03S-10.0PVC/BK                                                                 | M12-F04S-10.0PVC/BK | M12-F05S-10.0PVC/BK                                                                  | M12-F08S-10.0PVC/BK      |                    |
| PUR                                                                                 | black3m   | M12-F03S-3.0PUR/BK                                                                  | M12-F04S-3.0PUR/BK  | M12-F05S-3.0PUR/BK                                                                   | M12-F08S-3.0PUR/BK       |                    |
| PUR                                                                                 | black5m   | M12-F03S-5.0PUR/BK                                                                  | M12-F04S-5.0PUR/BK  | M12-F05S-5.0PUR/BK                                                                   | M12-F08S-5.0PUR/BK       |                    |
| PUR                                                                                 | black10m  | M12-F03S-10.0PUR/BK                                                                 | M12-F04S-10.0PUR/BK | M12-F05S-10.0PUR/BK                                                                  | M12-F08S-10.0PUR/BK      |                    |
| DragChain                                                                           | black3m   | M12-F03S-3.0TL/BK                                                                   | M12-F04S-3.0TL/BK   | M12-F05S-3.0TL/BK                                                                    | M12-F08S-3.0TL/BK        |                    |
| DragChain                                                                           | black5m   | M12-F03S-5.0TL/BK                                                                   | M12-F04S-5.0TL/BK   | M12-F05S-5.0TL/BK                                                                    | M12-F08S-5.0TL/BK        |                    |
| DragChain                                                                           | black10m  | M12-F03S-10.0TL/BK                                                                  | M12-F04S-10.0TL/BK  | M12-F05S-10.0TL/BK                                                                   | M12-F08S-10.0TL/BK       |                    |
| Anti-Welding                                                                        | orange3m  | M12-F03S-3.0FH/OG                                                                   | M12-F04S-3.0FH/OG   | M12-F05S-3.0FH/OG                                                                    | M12-F08S-3.0FH/OG        |                    |
| Anti-Welding                                                                        | orange5m  | M12-F03S-5.0FH/OG                                                                   | M12-F04S-5.0FH/OG   | M12-F05S-5.0FH/OG                                                                    | M12-F08S-5.0FH/OG        |                    |
| Anti-Welding                                                                        | orange10m | M12-F03S-10.0FH/OG                                                                  | M12-F04S-10.0FH/OG  | M12-F05S-10.0FH/OG                                                                   | M12-F08S-10.0FH/OG       |                    |
| Grey cable                                                                          | GY        | Rated voltage:250 V AC/DC                                                           |                     | Rated voltage:125 V AC/DC                                                            | Rated voltage:60 V AC/DC |                    |
| Material and Length                                                                 |           | Female head12core                                                                   |                     | Female head17core                                                                    |                          |                    |
| PVC                                                                                 | black3m   | M12-F12S-3.0PVC/BK                                                                  |                     | M12-F17S-3.0PVC/BK                                                                   |                          |                    |
| PVC                                                                                 | black5m   | M12-F12S-5.0PVC/BK                                                                  |                     | M12-F17S-5.0PVC/BK                                                                   |                          |                    |
| PVC                                                                                 | black10m  | M12-F12S-10.0PVC/BK                                                                 |                     | M12-F17S-10.0PVC/BK                                                                  |                          |                    |
| PUR                                                                                 | black3m   | M12-F12S-3.0PUR/BK                                                                  |                     | M12-F17S-3.0PUR/BK                                                                   |                          |                    |
| PUR                                                                                 | black5m   | M12-F12S-5.0PUR/BK                                                                  |                     | M12-F17S-5.0PUR/BK                                                                   |                          |                    |
| PUR                                                                                 | black10m  | M12-F12S-10.0PUR/BK                                                                 |                     | M12-F17S-10.0PUR/BK                                                                  |                          |                    |
| DragChain                                                                           | black3m   | M12-F12S-3.0TL/BK                                                                   |                     | M12-F17S-3.0TL/BK                                                                    |                          |                    |
| DragChain                                                                           | black5m   | M12-F12S-5.0TL/BK                                                                   |                     | M12-F17S-5.0TL/BK                                                                    |                          |                    |
| DragChain                                                                           | black10m  | M12-F12S-10.0TL/BK                                                                  |                     | M12-F17S-10.0TL/BK                                                                   |                          |                    |
| Grey cable                                                                          | GY        | Rated voltage:30V AC/DC                                                             |                     | Rated voltage:30 V AC/DC                                                             |                          |                    |

# M12 Connector Harness



With Open End

| Product drawing                                                                                                |           | Product size                             |                      | Pin Assignment       |                      |
|----------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------|----------------------|----------------------|----------------------|
|                                                                                                                |           |                                          |                      |                      |                      |
| Material and Length                                                                                            | 4core     | 4core                                    | 4core                | 4core                | 4core                |
| PVC                                                                                                            | black3m   | M12-TF04S-3.0PVC/BK                      | M12-SF04S-3.0PVC/BK  | M12-SF04T-3.0PVC/BK  | M12-TF04T-3.0PVC/BK  |
| PVC                                                                                                            | black5m   | M12-TF04S-5.0PVC/BK                      | M12-SF04S-5.0PVC/BK  | M12-SF04T-5.0PVC/BK  | M12-TF04T-5.0PVC/BK  |
| PVC                                                                                                            | black10m  | M12-TF04S-10.0PVC/BK                     | M12-SF04S-10.0PVC/BK | M12-SF04T-10.0PVC/BK | M12-TF04T-10.0PVC/BK |
| PUR                                                                                                            | black3m   | M12-TF04S-3.0PUR/BK                      | M12-SF04S-3.0PUR/BK  | M12-SF04T-3.0PUR/BK  | M12-TF04T-3.0PUR/BK  |
| PUR                                                                                                            | black5m   | M12-TF04S-5.0PUR/BK                      | M12-SF04S-5.0PUR/BK  | M12-SF04T-5.0PUR/BK  | M12-TF04T-5.0PUR/BK  |
| PUR                                                                                                            | black10m  | M12-TF04S-10.0PUR/BK                     | M12-SF04S-10.0PUR/BK | M12-SF04T-10.0PUR/BK | M12-TF04T-10.0PUR/BK |
| DragChain                                                                                                      | black3m   | M12-TF04S-3.0TL/BK                       | M12-SF04S-3.0TL/BK   | M12-SF04T-3.0TL/BK   | M12-TF04T-3.0TL/BK   |
| DragChain                                                                                                      | black5m   | M12-TF04S-5.0TL/BK                       | M12-SF04S-5.0TL/BK   | M12-SF04T-5.0TL/BK   | M12-TF04T-5.0TL/BK   |
| DragChain                                                                                                      | black10m  | M12-TF04S-10.0TL/BK                      | M12-SF04S-10.0TL/BK  | M12-SF04T-10.0TL/BK  | M12-TF04T-10.0TL/BK  |
| Anti-Welding                                                                                                   | orange3m  | M12-TF04S-3.0FH/OG                       | M12-SF04S-3.0FH/OG   | M12-SF04T-3.0FH/OG   | M12-TF04T-3.0FH/OG   |
| Anti-Welding                                                                                                   | orange5m  | M12-TF04S-5.0FH/OG                       | M12-SF04S-5.0FH/OG   | M12-SF04T-5.0FH/OG   | M12-TF04T-5.0FH/OG   |
| Anti-Welding                                                                                                   | orange10m | M12-TF04S-10.0FH/OG                      | M12-SF04S-10.0FH/OG  | M12-SF04T-10.0FH/OG  | M12-TF04T-10.0FH/OG  |
| Grey cable                                                                                                     | GY        |                                          |                      |                      |                      |
| Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali |           |                                          |                      |                      |                      |
| Rated voltage                                                                                                  |           | 630 V AC/DC                              |                      |                      |                      |
| Rated current                                                                                                  |           | Max 10A                                  |                      |                      |                      |
| Cable specification                                                                                            |           | 4G1.5mm <sup>2</sup>                     |                      |                      |                      |
| ProtectionClass(IEC 60529)                                                                                     |           | IP65~IP67                                |                      |                      |                      |
| Ambient temperature                                                                                            |           | -25 ... + 85°C, Depends on cable quality |                      |                      |                      |

With Open End

| Product drawing                                                                                                |           | Product size                             |                      | Pin Assignment       |                      |
|----------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------|----------------------|----------------------|----------------------|
|                                                                                                                |           |                                          |                      |                      |                      |
| Material and Length                                                                                            | 4core     | 4core                                    | 4core                | 4core                | 4core                |
| PVC                                                                                                            | black3m   | M12-TM04S-3.0PVC/BK                      | M12-SM04S-3.0PVC/BK  | M12-TM04T-3.0PVC/BK  | M12-SM04T-3.0PVC/BK  |
| PVC                                                                                                            | black5m   | M12-TM04S-5.0PVC/BK                      | M12-SM04S-5.0PVC/BK  | M12-TM04T-5.0PVC/BK  | M12-SM04T-5.0PVC/BK  |
| PVC                                                                                                            | black10m  | M12-TM04S-10.0PVC/BK                     | M12-SM04S-10.0PVC/BK | M12-TM04T-10.0PVC/BK | M12-SM04T-10.0PVC/BK |
| PUR                                                                                                            | black3m   | M12-TM04S-3.0PUR/BK                      | M12-SM04S-3.0PUR/BK  | M12-TM04T-3.0PUR/BK  | M12-SM04T-3.0PUR/BK  |
| PUR                                                                                                            | black5m   | M12-TM04S-5.0PUR/BK                      | M12-SM04S-5.0PUR/BK  | M12-TM04T-5.0PUR/BK  | M12-SM04T-5.0PUR/BK  |
| PUR                                                                                                            | black10m  | M12-TM04S-10.0PUR/BK                     | M12-SM04S-10.0PUR/BK | M12-TM04T-10.0PUR/BK | M12-SM04T-10.0PUR/BK |
| DragChain                                                                                                      | black3m   | M12-TM04S-3.0TL/BK                       | M12-SM04S-3.0TL/BK   | M12-TM04T-3.0TL/BK   | M12-SM04T-3.0TL/BK   |
| DragChain                                                                                                      | black5m   | M12-TM04S-5.0TL/BK                       | M12-SM04S-5.0TL/BK   | M12-TM04T-5.0TL/BK   | M12-SM04T-5.0TL/BK   |
| DragChain                                                                                                      | black10m  | M12-TM04S-10.0TL/BK                      | M12-SM04S-10.0TL/BK  | M12-TM04T-10.0TL/BK  | M12-SM04T-10.0TL/BK  |
| Anti-Welding                                                                                                   | orange3m  | M12-TM04S-3.0FH/OG                       | M12-SM04S-3.0FH/OG   | M12-TM04T-3.0FH/OG   | M12-SM04T-3.0FH/OG   |
| Anti-Welding                                                                                                   | orange5m  | M12-TM04S-5.0FH/OG                       | M12-SM04S-5.0FH/OG   | M12-TM04T-5.0FH/OG   | M12-SM04T-5.0FH/OG   |
| Anti-Welding                                                                                                   | orange10m | M12-TM04S-10.0FH/OG                      | M12-SM04S-10.0FH/OG  | M12-TM04T-10.0FH/OG  | M12-SM04T-10.0FH/OG  |
| Grey cable                                                                                                     | GY        |                                          |                      |                      |                      |
| Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali |           |                                          |                      |                      |                      |
| Rated voltage                                                                                                  |           | 630 V AC/DC                              |                      |                      |                      |
| Rated current                                                                                                  |           | Max 10A                                  |                      |                      |                      |
| Cable specification                                                                                            |           | 4G1.5mm <sup>2</sup>                     |                      |                      |                      |
| ProtectionClass(IEC 60529)                                                                                     |           | IP65~IP67                                |                      |                      |                      |
| Ambient temperature                                                                                            |           | -25 ... + 85°C, Depends on cable quality |                      |                      |                      |

## RSWN



Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |             |
|----------------------------|-------------|
| Rated voltage              | 24 V DC±25% |
| Cable specification        | N*0.34mm²   |
| ProtectionClass(IEC 60529) | IP67        |
| Ambient temperature        | -25~+85°C   |



Technical drawing of the M12x1 connector showing dimensions: 40.2, 15, 28, and 12.

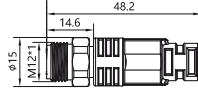
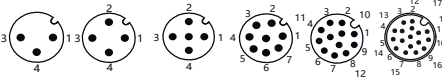
Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |             |
|----------------------------|-------------|
| Rated voltage              | 24 V DC±25% |
| Cable specification        | N*0.34mm²   |
| ProtectionClass(IEC 60529) | IP67        |
| Ambient temperature        | -25~+85°C   |

# M12 Connector Harness

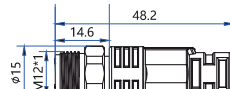
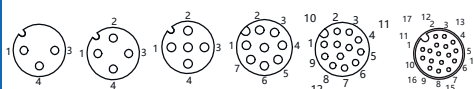
With Open End

Shield

| Product drawing                                                                   |           | Product size                                                                      |                      | Pin Assignment                                                                     |                          |
|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------|--------------------------|
|  |           |  |                      |  |                          |
| Material and Length                                                               |           | Male head3core                                                                    | Male head4core       | Male head5core                                                                     | Male head8core           |
| PVC                                                                               | black3m   | M12P-M03T-3.0PVC/BK                                                               | M12P-M04T-3.0PVC/BK  | M12P-M05T-3.0PVC/BK                                                                | M12P-M08T-3.0PVC/BK      |
| PVC                                                                               | black5m   | M12P-M03T-5.0PVC/BK                                                               | M12P-M04T-5.0PVC/BK  | M12P-M05T-5.0PVC/BK                                                                | M12P-M08T-5.0PVC/BK      |
| PVC                                                                               | black10m  | M12P-M03T-10.0PVC/BK                                                              | M12P-M04T-10.0PVC/BK | M12P-M05T-10.0PVC/BK                                                               | M12P-M08T-10.0PVC/BK     |
| PUR                                                                               | black3m   | M12P-M03T-3.0PUR/BK                                                               | M12P-M04T-3.0PUR/BK  | M12P-M05T-3.0PUR/BK                                                                | M12P-M08T-3.0PUR/BK      |
| PUR                                                                               | black5m   | M12P-M03T-5.0PUR/BK                                                               | M12P-M04T-5.0PUR/BK  | M12P-M05T-5.0PUR/BK                                                                | M12P-M08T-5.0PUR/BK      |
| PUR                                                                               | black10m  | M12P-M03T-10.0PUR/BK                                                              | M12P-M04T-10.0PUR/BK | M12P-M05T-10.0PUR/BK                                                               | M12P-M08T-10.0PUR/BK     |
| DragChain                                                                         | black3m   | M12P-M03T-3.0TL/BK                                                                | M12P-M04T-3.0TL/BK   | M12P-M05T-3.0TL/BK                                                                 | M12P-M08T-3.0TL/BK       |
| DragChain                                                                         | black5m   | M12P-M03T-5.0TL/BK                                                                | M12P-M04T-5.0TL/BK   | M12P-M05T-5.0TL/BK                                                                 | M12P-M08T-5.0TL/BK       |
| DragChain                                                                         | black10m  | M12P-M03T-10.0TL/BK                                                               | M12P-M04T-10.0TL/BK  | M12P-M05T-10.0TL/BK                                                                | M12P-M08T-10.0TL/BK      |
| Anti-Welding                                                                      | orange3m  | M12P-M03T-3.0FH/OG                                                                | M12P-M04T-3.0FH/OG   | M12P-M05T-3.0FH/OG                                                                 | M12P-M08T-3.0FH/OG       |
| Anti-Welding                                                                      | orange5m  | M12P-M03T-5.0FH/OG                                                                | M12P-M04T-5.0FH/OG   | M12P-M05T-5.0FH/OG                                                                 | M12P-M08T-5.0FH/OG       |
| Anti-Welding                                                                      | orange10m | M12P-M03T-10.0FH/OG                                                               | M12P-M04T-10.0FH/OG  | M12P-M05T-10.0FH/OG                                                                | M12P-M08T-10.0FH/OG      |
| Grey cable                                                                        | GY        | Rated voltage:250 V AC/DC                                                         |                      | Rated voltage:125 V AC/DC                                                          | Rated voltage:60 V AC/DC |
| Material and Length                                                               |           | Male head12core                                                                   |                      | Male head17core                                                                    |                          |
| PVC                                                                               | black3m   | M12P-M12T-3.0PVC/BK                                                               |                      | M12P-M17T-3.0PVC/BK                                                                |                          |
| PVC                                                                               | black5m   | M12P-M12T-5.0PVC/BK                                                               |                      | M12P-M17T-5.0PVC/BK                                                                |                          |
| PVC                                                                               | black10m  | M12P-M12T-10.0PVC/BK                                                              |                      | M12P-M17T-10.0PVC/BK                                                               |                          |
| PUR                                                                               | black3m   | M12P-M12T-3.0PUR/BK                                                               |                      | M12P-M17T-3.0PUR/BK                                                                |                          |
| PUR                                                                               | black5m   | M12P-M12T-5.0PUR/BK                                                               |                      | M12P-M17T-5.0PUR/BK                                                                |                          |
| PUR                                                                               | black10m  | M12P-M12T-10.0PUR/BK                                                              |                      | M12P-M17T-10.0PUR/BK                                                               |                          |
| DragChain                                                                         | black3m   | M12P-M12T-3.0TL/BK                                                                |                      | M12P-M17T-3.0TL/BK                                                                 |                          |
| DragChain                                                                         | black5m   | M12P-M12T-5.0TL/BK                                                                |                      | M12P-M17T-5.0TL/BK                                                                 |                          |
| DragChain                                                                         | black10m  | M12P-M12T-10.0TL/BK                                                               |                      | M12P-M17T-10.0TL/BK                                                                |                          |
| Grey cable                                                                        | GY        | Rated voltage:30V AC/DC                                                           |                      | Rated voltage:30 V AC/DC                                                           |                          |

With Open End

Shield

| Product drawing                                                                     |           | Product size                                                                        |                      | Pin Assignment                                                                       |                          |                    |
|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|--------------------------|--------------------|
|  |           |  |                      |  |                          |                    |
| Material and Length                                                                 |           | Female head3core                                                                    | Female head4core     | Female head5芯                                                                        | Female head8core         | Common spare parts |
| PVC                                                                                 | black3m   | M12P-F03T-3.0PVC/BK                                                                 | M12P-F04T-3.0PVC/BK  | M12P-F05T-3.0PVC/BK                                                                  | M12P-F08T-3.0PVC/BK      |                    |
| PVC                                                                                 | black5m   | M12P-F03T-5.0PVC/BK                                                                 | M12P-F04T-5.0PVC/BK  | M12P-F05T-5.0PVC/BK                                                                  | M12P-F08T-5.0PVC/BK      |                    |
| PVC                                                                                 | black10m  | M12P-F03T-10.0PVC/BK                                                                | M12P-F04T-10.0PVC/BK | M12P-F05T-10.0PVC/BK                                                                 | M12P-F08T-10.0PVC/BK     |                    |
| PUR                                                                                 | black3m   | M12P-F03T-3.0PUR/BK                                                                 | M12P-F04T-3.0PUR/BK  | M12P-F05T-3.0PUR/BK                                                                  | M12P-F08T-3.0PUR/BK      |                    |
| PUR                                                                                 | black5m   | M12P-F03T-5.0PUR/BK                                                                 | M12P-F04T-5.0PUR/BK  | M12P-F05T-5.0PUR/BK                                                                  | M12P-F08T-5.0PUR/BK      |                    |
| PUR                                                                                 | black10m  | M12P-F03T-10.0PUR/BK                                                                | M12P-F04T-10.0PUR/BK | M12P-F05T-10.0PUR/BK                                                                 | M12P-F08T-10.0PUR/BK     |                    |
| DragChain                                                                           | black3m   | M12P-F03T-3.0TL/BK                                                                  | M12P-F04T-3.0TL/BK   | M12P-F05T-3.0TL/BK                                                                   | M12P-F08T-3.0TL/BK       |                    |
| DragChain                                                                           | black5m   | M12P-F03T-5.0TL/BK                                                                  | M12P-F04T-5.0TL/BK   | M12P-F05T-5.0TL/BK                                                                   | M12P-F08T-5.0TL/BK       |                    |
| DragChain                                                                           | black10m  | M12P-F03T-10.0TL/BK                                                                 | M12P-F04T-10.0TL/BK  | M12P-F05T-10.0TL/BK                                                                  | M12P-F08T-10.0TL/BK      |                    |
| Anti-Welding                                                                        | orange3m  | M12P-F03T-3.0FH/OG                                                                  | M12P-F04T-3.0FH/OG   | M12P-F05T-3.0FH/OG                                                                   | M12P-F08T-3.0FH/OG       |                    |
| Anti-Welding                                                                        | orange5m  | M12P-F03T-5.0FH/OG                                                                  | M12P-F04T-5.0FH/OG   | M12P-F05T-5.0FH/OG                                                                   | M12P-F08T-5.0FH/OG       |                    |
| Anti-Welding                                                                        | orange10m | M12P-F03T-10.0FH/OG                                                                 | M12P-F04T-10.0FH/OG  | M12P-F05T-10.0FH/OG                                                                  | M12P-F08T-10.0FH/OG      |                    |
| Grey cable                                                                          | GY        | Rated voltage:250 V AC/DC                                                           |                      | Rated voltage:125 V AC/DC                                                            | Rated voltage:60 V AC/DC |                    |
| Material and Length                                                                 |           | Female head12core                                                                   |                      | Female head17core                                                                    |                          |                    |
| PVC                                                                                 | black3m   | M12P-F12T-3.0PVC/BK                                                                 |                      | M12P-F17T-3.0PVC/BK                                                                  |                          |                    |
| PVC                                                                                 | black5m   | M12P-F12T-5.0PVC/BK                                                                 |                      | M12P-F17T-5.0PVC/BK                                                                  |                          |                    |
| PVC                                                                                 | black10m  | M12P-F12T-10.0PVC/BK                                                                |                      | M12P-F17T-10.0PVC/BK                                                                 |                          |                    |
| PUR                                                                                 | black3m   | M12P-F12T-3.0PUR/BK                                                                 |                      | M12P-F17T-3.0PUR/BK                                                                  |                          |                    |
| PUR                                                                                 | black5m   | M12P-F12T-5.0PUR/BK                                                                 |                      | M12P-F17T-5.0PUR/BK                                                                  |                          |                    |
| PUR                                                                                 | black10m  | M12P-F12T-10.0PUR/BK                                                                |                      | M12P-F17T-10.0PUR/BK                                                                 |                          |                    |
| DragChain                                                                           | black3m   | M12P-F12T-3.0TL/BK                                                                  |                      | M12P-F17T-3.0TL/BK                                                                   |                          |                    |
| DragChain                                                                           | black5m   | M12P-F12T-5.0TL/BK                                                                  |                      | M12P-F17T-5.0TL/BK                                                                   |                          |                    |
| DragChain                                                                           | black10m  | M12P-F12T-10.0TL/BK                                                                 |                      | M12P-F17T-10.0TL/BK                                                                  |                          |                    |
| Grey cable                                                                          | GY        | Rated voltage:30V AC/DC                                                             |                      | Rated voltage:30 V AC/DC                                                             |                          |                    |



# M12 Connector Harness



With Open End

Shield

| Product drawing | Product size | Pin Assignment |
|-----------------|--------------|----------------|
|                 |              |                |

| Material and Length |           | Male head3core            | Male head4core       | Male head5core            | Male head8core       | Common spare parts |
|---------------------|-----------|---------------------------|----------------------|---------------------------|----------------------|--------------------|
| PVC                 | black3m   | M12P-M03S-3.0PVC/BK       | M12P-M04S-3.0PVC/BK  | M12P-M05S-3.0PVC/BK       | M12P-M08S-3.0PVC/BK  |                    |
| PVC                 | black5m   | M12P-M03S-5.0PVC/BK       | M12P-M04S-5.0PVC/BK  | M12P-M05S-5.0PVC/BK       | M12P-M08S-5.0PVC/BK  |                    |
| PVC                 | black10m  | M12P-M03S-10.0PVC/BK      | M12P-M04S-10.0PVC/BK | M12P-M05S-10.0PVC/BK      | M12P-M08S-10.0PVC/BK |                    |
| PUR                 | black3m   | M12P-M03S-3.0PUR/BK       | M12P-M04S-3.0PUR/BK  | M12P-M05S-3.0PUR/BK       | M12P-M08S-3.0PUR/BK  |                    |
| PUR                 | black5m   | M12P-M03S-5.0PUR/BK       | M12P-M04S-5.0PUR/BK  | M12P-M05S-5.0PUR/BK       | M12P-M08S-5.0PUR/BK  |                    |
| PUR                 | black10m  | M12P-M03S-10.0PUR/BK      | M12P-M04S-10.0PUR/BK | M12P-M05S-10.0PUR/BK      | M12P-M08S-10.0PUR/BK |                    |
| DragChain           | black3m   | M12P-M03S-3.0TL/BK        | M12P-M04S-3.0TL/BK   | M12P-M05S-3.0TL/BK        | M12P-M08S-3.0TL/BK   |                    |
| DragChain           | black5m   | M12P-M03S-5.0TL/BK        | M12P-M04S-5.0TL/BK   | M12P-M05S-5.0TL/BK        | M12P-M08S-5.0TL/BK   |                    |
| DragChain           | black10m  | M12P-M03S-10.0TL/BK       | M12P-M04S-10.0TL/BK  | M12P-M05S-10.0TL/BK       | M12P-M08S-10.0TL/BK  |                    |
| Anti-Welding        | orange3m  | M12P-M03S-3.0FH/OG        | M12P-M04S-3.0FH/OG   | M12P-M05S-3.0FH/OG        | M12P-M08S-3.0FH/OG   |                    |
| Anti-Welding        | orange5m  | M12P-M03S-5.0FH/OG        | M12P-M04S-5.0FH/OG   | M12P-M05S-5.0FH/OG        | M12P-M08S-5.0FH/OG   |                    |
| Anti-Welding        | orange10m | M12P-M03S-10.0FH/OG       | M12P-M04S-10.0FH/OG  | M12P-M05S-10.0FH/OG       | M12P-M08S-10.0FH/OG  |                    |
| Grey cable          | GY        | Rated voltage:250 V AC/DC |                      | Rated voltage:125 V AC/DC |                      |                    |
| Material and Length |           | Male head12core           |                      | Male head17core           |                      |                    |
| PVC                 | black3m   | M12P-M12S-3.0PVC/BK       |                      | M12P-M17S-3.0PVC/BK       |                      |                    |
| PVC                 | black5m   | M12P-M12S-5.0PVC/BK       |                      | M12P-M17S-5.0PVC/BK       |                      |                    |
| PVC                 | black10m  | M12P-M12S-10.0PVC/BK      |                      | M12P-M17S-10.0PVC/BK      |                      |                    |
| PUR                 | black3m   | M12P-M12S-3.0PUR/BK       |                      | M12P-M17S-3.0PUR/BK       |                      |                    |
| PUR                 | black5m   | M12P-M12S-5.0PUR/BK       |                      | M12P-M17S-5.0PUR/BK       |                      |                    |
| PUR                 | black10m  | M12P-M12S-10.0PUR/BK      |                      | M12P-M17S-10.0PUR/BK      |                      |                    |
| DragChain           | black3m   | M12P-M12S-3.0TL/BK        |                      | M12P-M17S-3.0TL/BK        |                      |                    |
| DragChain           | black5m   | M12P-M12S-5.0TL/BK        |                      | M12P-M17S-5.0TL/BK        |                      |                    |
| DragChain           | black10m  | M12P-M12S-10.0TL/BK       |                      | M12P-M17S-10.0TL/BK       |                      |                    |
| Grey cable          | GY        | Rated voltage:30V AC/DC   |                      | Rated voltage:30 V AC/DC  |                      |                    |

With Open End

Shield

| Product drawing | Product size | Pin Assignment |
|-----------------|--------------|----------------|
|                 |              |                |

| Material and Length |           | Female head3core          | Female head4core     | Female head5core          | Female head8core     | Common spare parts |
|---------------------|-----------|---------------------------|----------------------|---------------------------|----------------------|--------------------|
| PVC                 | black3m   | M12P-F03S-3.0PVC/BK       | M12P-F04S-3.0PVC/BK  | M12P-F05S-3.0PVC/BK       | M12P-F08S-3.0PVC/BK  |                    |
| PVC                 | black5m   | M12P-F03S-5.0PVC/BK       | M12P-F04S-5.0PVC/BK  | M12P-F05S-5.0PVC/BK       | M12P-F08S-5.0PVC/BK  |                    |
| PVC                 | black10m  | M12P-F03S-10.0PVC/BK      | M12P-F04S-10.0PVC/BK | M12P-F05S-10.0PVC/BK      | M12P-F08S-10.0PVC/BK |                    |
| PUR                 | black3m   | M12P-F03S-3.0PUR/BK       | M12P-F04S-3.0PUR/BK  | M12P-F05S-3.0PUR/BK       | M12P-F08S-3.0PUR/BK  |                    |
| PUR                 | black5m   | M12P-F03S-5.0PUR/BK       | M12P-F04S-5.0PUR/BK  | M12P-F05S-5.0PUR/BK       | M12P-F08S-5.0PUR/BK  |                    |
| PUR                 | black10m  | M12P-F03S-10.0PUR/BK      | M12P-F04S-10.0PUR/BK | M12P-F05S-10.0PUR/BK      | M12P-F08S-10.0PUR/BK |                    |
| DragChain           | black3m   | M12P-F03S-3.0TL/BK        | M12P-F04S-3.0TL/BK   | M12P-F05S-3.0TL/BK        | M12P-F08S-3.0TL/BK   |                    |
| DragChain           | black5m   | M12P-F03S-5.0TL/BK        | M12P-F04S-5.0TL/BK   | M12P-F05S-5.0TL/BK        | M12P-F08S-5.0TL/BK   |                    |
| DragChain           | black10m  | M12P-F03S-10.0TL/BK       | M12P-F04S-10.0TL/BK  | M12P-F05S-10.0TL/BK       | M12P-F08S-10.0TL/BK  |                    |
| Anti-Welding        | orange3m  | M12P-F03S-3.0FH/OG        | M12P-F04S-3.0FH/OG   | M12P-F05S-3.0FH/OG        | M12P-F08S-3.0FH/OG   |                    |
| Anti-Welding        | orange5m  | M12P-F03S-5.0FH/OG        | M12P-F04S-5.0FH/OG   | M12P-F05S-5.0FH/OG        | M12P-F08S-5.0FH/OG   |                    |
| Anti-Welding        | orange10m | M12P-F03S-10.0FH/OG       | M12P-F04S-10.0FH/OG  | M12P-F05S-10.0FH/OG       | M12P-F08S-10.0FH/OG  |                    |
| Grey cable          | GY        | Rated voltage:250 V AC/DC |                      | Rated voltage:125 V AC/DC |                      |                    |
| Material and Length |           | Male head12core           |                      | Male head17core           |                      |                    |
| PVC                 | black3m   | M12P-F12S-3.0PVC/BK       |                      | M12P-F17S-3.0PVC/BK       |                      |                    |
| PVC                 | black5m   | M12P-F12S-5.0PVC/BK       |                      | M12P-F17S-5.0PVC/BK       |                      |                    |
| PVC                 | black10m  | M12P-F12S-10.0PVC/BK      |                      | M12P-F17S-10.0PVC/BK      |                      |                    |
| PUR                 | black3m   | M12P-F12S-3.0PUR/BK       |                      | M12P-F17S-3.0PUR/BK       |                      |                    |
| PUR                 | black5m   | M12P-F12S-5.0PUR/BK       |                      | M12P-F17S-5.0PUR/BK       |                      |                    |
| PUR                 | black10m  | M12P-F12S-10.0PUR/BK      |                      | M12P-F17S-10.0PUR/BK      |                      |                    |
| DragChain           | black3m   | M12P-F12S-3.0TL/BK        |                      | M12P-F17S-3.0TL/BK        |                      |                    |
| DragChain           | black5m   | M12P-F12S-5.0TL/BK        |                      | M12P-F17S-5.0TL/BK        |                      |                    |
| DragChain           | black10m  | M12P-F12S-10.0TL/BK       |                      | M12P-F17S-10.0TL/BK       |                      |                    |
| Grey cable          | GY        | Rated voltage:30V AC/DC   |                      | Rated voltage:30 V AC/DC  |                      |                    |



RSW<sup>N</sup>

| Product drawing                                                                   | Product size                                                                      | Pin Assignment                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |



Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |             |
|----------------------------|-------------|
| Rated voltage              | 24 V DC±25% |
| Cable specification        | N*0.34mm²   |
| ProtectionClass(IEC 60529) | IP67        |
| Ambient temperature        | -25~+85℃    |

RSW<sup>N</sup>

PNPtype



Rated voltage:250 V AC/DC

Rated voltage:125 V AC/DC

Rated voltage:60 V AC/DC

| Cable specification | N*0.34mm <sup>2</sup> (3,4,5core) | N*0.25mm <sup>2</sup> (8core) | N*0.14mm <sup>2</sup> (12,17core) |
|---------------------|-----------------------------------|-------------------------------|-----------------------------------|
|---------------------|-----------------------------------|-------------------------------|-----------------------------------|

|                            |      |
|----------------------------|------|
| ProtectionClass(IEC 60529) | IP67 |
|----------------------------|------|

|                     |           |
|---------------------|-----------|
| Ambient temperature | -25~+85°C |
|---------------------|-----------|

# M12 Connector Harness

RSWN

Double end pre cast wire harness



| Product drawing | Product size | Pin Assignment |
|-----------------|--------------|----------------|
|                 |              |                |

| Material and Length |           | 3core                        | 4core                        |
|---------------------|-----------|------------------------------|------------------------------|
| PVC                 | black3m   | M12-M03S/F03T-LED-3.0PVC/BK  | M12-M04S/F04T-LED-3.0PVC/BK  |
| PVC                 | black5m   | M12-M03S/F03T-LED-5.0PVC/BK  | M12-M04S/F04T-LED-5.0PVC/BK  |
| PVC                 | black10m  | M12-M03S/F03T-LED-10.0PVC/BK | M12-M04S/F04T-LED-10.0PVC/BK |
| PUR                 | black3m   | M12-M03S/F03T-LED-3.0PUR/BK  | M12-M04S/F04T-LED-3.0PUR/BK  |
| PUR                 | black5m   | M12-M03S/F03T-LED-5.0PUR/BK  | M12-M04S/F04T-LED-5.0PUR/BK  |
| PUR                 | black10m  | M12-M03S/F03T-LED-10.0PUR/BK | M12-M04S/F04T-LED-10.0PUR/BK |
| DragChain           | black3m   | M12-M03S/F03T-LED-3.0TL/BK   | M12-M04S/F04T-LED-3.0TL/BK   |
| DragChain           | black5m   | M12-M03S/F03T-LED-5.0TL/BK   | M12-M04S/F04T-LED-5.0TL/BK   |
| DragChain           | black10m  | M12-M03S/F03T-LED-10.0TL/BK  | M12-M04S/F04T-LED-10.0TL/BK  |
| Anti-Welding        | orange3m  | M12-M04S/F04T-3LED-3.0FH/OG  | M12-M05S/F05T-LED-3.0FH/OG   |
| Anti-Welding        | orange5m  | M12-M04S/F04T-3LED-5.0FH/OG  | M12-M05S/F05T-LED-5.0FH/OG   |
| Anti-Welding        | orange10m | M12-M04S/F04T-3LED-10.0FH/OG | M12-M05S/F05T-LED-10.0FH/OG  |

Grey cable GY

| Material and Length |           | 4core                         | 5core                        |
|---------------------|-----------|-------------------------------|------------------------------|
| PVC                 | black3m   | M12-M04S/F04T-3LED-3.0PVC/BK  | M12-M05S/F05T-LED-3.0PVC/BK  |
| PVC                 | black5m   | M12-M04S/F04T-3LED-5.0PVC/BK  | M12-M05S/F05T-LED-5.0PVC/BK  |
| PVC                 | black10m  | M12-M04S/F04T-3LED-10.0PVC/BK | M12-M05S/F05T-LED-10.0PVC/BK |
| PUR                 | black3m   | M12-M04S/F04T-3LED-3.0PUR/BK  | M12-M05S/F05T-LED-3.0PUR/BK  |
| PUR                 | black5m   | M12-M04S/F04T-3LED-5.0PUR/BK  | M12-M05S/F05T-LED-5.0PUR/BK  |
| PUR                 | black10m  | M12-M04S/F04T-3LED-10.0PUR/BK | M12-M05S/F05T-LED-10.0PUR/BK |
| DragChain           | black3m   | M12-M04S/F04T-3LED-3.0TL/BK   | M12-M05S/F05T-LED-3.0TL/BK   |
| DragChain           | black5m   | M12-M04S/F04T-3LED-5.0TL/BK   | M12-M05S/F05T-LED-5.0TL/BK   |
| DragChain           | black10m  | M12-M04S/F04T-3LED-10.0TL/BK  | M12-M05S/F05T-LED-10.0TL/BK  |
| Anti-Welding        | orange3m  | M12-M04S/F04T-3LED-3.0FH/OG   | M12-M05S/F05T-LED-3.0FH/OG   |
| Anti-Welding        | orange5m  | M12-M04S/F04T-3LED-5.0FH/OG   | M12-M05S/F05T-LED-5.0FH/OG   |
| Anti-Welding        | orange10m | M12-M04S/F04T-3LED-10.0FH/OG  | M12-M05S/F05T-LED-10.0FH/OG  |

Grey cable GY

Double end pre cast wire harness

| Product drawing | Product size | Pin Assignment |
|-----------------|--------------|----------------|
|                 |              |                |

| Material and Length |           | 3core                        | 4core                        |
|---------------------|-----------|------------------------------|------------------------------|
| PVC                 | black3m   | M12-M03S/F03S-LED-3.0PVC/BK  | M12-M04S/F04S-LED-3.0PVC/BK  |
| PVC                 | black5m   | M12-M03S/F03S-LED-5.0PVC/BK  | M12-M04S/F04S-LED-5.0PVC/BK  |
| PVC                 | black10m  | M12-M03S/F03S-LED-10.0PVC/BK | M12-M04S/F04S-LED-10.0PVC/BK |
| PUR                 | black3m   | M12-M03S/F03S-LED-3.0PUR/BK  | M12-M04S/F04S-LED-3.0PUR/BK  |
| PUR                 | black5m   | M12-M03S/F03S-LED-5.0PUR/BK  | M12-M04S/F04S-LED-5.0PUR/BK  |
| PUR                 | black10m  | M12-M03S/F03S-LED-10.0PUR/BK | M12-M04S/F04S-LED-10.0PUR/BK |
| DragChain           | black3m   | M12-M03S/F03S-LED-3.0TL/BK   | M12-M04S/F04S-LED-3.0TL/BK   |
| DragChain           | black5m   | M12-M03S/F03S-LED-5.0TL/BK   | M12-M04S/F04S-LED-5.0TL/BK   |
| DragChain           | black10m  | M12-M03S/F03S-LED-10.0TL/BK  | M12-M04S/F04S-LED-10.0TL/BK  |
| Anti-Welding        | orange3m  | M12-M03S/F03S-LED-3.0FH/OG   | M12-M04S/F04S-LED-3.0FH/OG   |
| Anti-Welding        | orange5m  | M12-M03S/F03S-LED-5.0FH/OG   | M12-M04S/F04S-LED-5.0FH/OG   |
| Anti-Welding        | orange10m | M12-M03S/F03S-LED-10.0FH/OG  | M12-M04S/F04S-LED-10.0FH/OG  |

| Material and Length |           | 4core                         | 5core                        |
|---------------------|-----------|-------------------------------|------------------------------|
| PVC                 | black3m   | M12-M04S/F04S-3LED-3.0PVC/BK  | M12-M05S/F05S-LED-3.0PVC/BK  |
| PVC                 | black5m   | M12-M04S/F04S-3LED-5.0PVC/BK  | M12-M05S/F05S-LED-5.0PVC/BK  |
| PVC                 | black10m  | M12-M04S/F04S-3LED-10.0PVC/BK | M12-M05S/F05S-LED-10.0PVC/BK |
| PUR                 | black3m   | M12-M04S/F04S-3LED-3.0PUR/BK  | M12-M05S/F05S-LED-3.0PUR/BK  |
| PUR                 | black5m   | M12-M04S/F04S-3LED-5.0PUR/BK  | M12-M05S/F05S-LED-5.0PUR/BK  |
| PUR                 | black10m  | M12-M04S/F04S-3LED-10.0PUR/BK | M12-M05S/F05S-LED-10.0PUR/BK |
| DragChain           | black3m   | M12-M04S/F04S-3LED-3.0TL/BK   | M12-M05S/F05S-LED-3.0TL/BK   |
| DragChain           | black5m   | M12-M04S/F04S-3LED-5.0TL/BK   | M12-M05S/F05S-LED-5.0TL/BK   |
| DragChain           | black10m  | M12-M04S/F04S-3LED-10.0TL/BK  | M12-M05S/F05S-LED-10.0TL/BK  |
| Anti-Welding        | orange3m  | M12-M04S/F04S-3LED-3.0FH/OG   | M12-M05S/F05S-LED-3.0FH/OG   |
| Anti-Welding        | orange5m  | M12-M04S/F04S-3LED-5.0FH/OG   | M12-M05S/F05S-LED-5.0FH/OG   |
| Anti-Welding        | orange10m | M12-M04S/F04S-3LED-10.0FH/OG  | M12-M05S/F05S-LED-10.0FH/OG  |

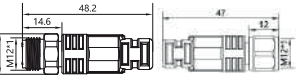
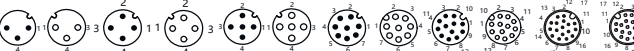
Grey cable GY

## RSwN



## Double end pre cast wire harness


Shield

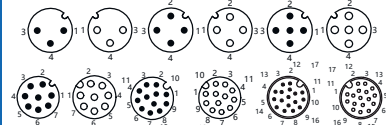
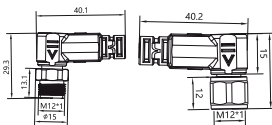
| Product drawing                                                                     |           | Product size                                                                        |                           | Pin Assignment                                                                       |  |                           |  |
|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------|--|---------------------------|--|
|  |           |  |                           |  |  |                           |  |
| Material and Length                                                                 |           | 3core                                                                               | 4core                     | 5core                                                                                |  | 8core                     |  |
| PVC                                                                                 | black3m   | M12P-M03T/F03T-3.0PVC/BK                                                            | M12P-M04T/F04T-3.0PVC/BK  | M12P-M05T/F05T-3.0PVC/BK                                                             |  | M12P-M08T/F08T-3.0PVC/BK  |  |
| PVC                                                                                 | black5m   | M12P-M03T/F03T-5.0PVC/BK                                                            | M12P-M04T/F04T-5.0PVC/BK  | M12P-M05T/F05T-5.0PVC/BK                                                             |  | M12P-M08T/F08T-5.0PVC/BK  |  |
| PVC                                                                                 | black10m  | M12P-M03T/F03T-10.0PVC/BK                                                           | M12P-M04T/F04T-10.0PVC/BK | M12P-M05T/F05T-10.0PVC/BK                                                            |  | M12P-M08T/F08T-10.0PVC/BK |  |
| PUR                                                                                 | black3m   | M12P-M03T/F03T-3.0PUR/BK                                                            | M12P-M04T/F04T-3.0PUR/BK  | M12P-M05T/F05T-3.0PUR/BK                                                             |  | M12P-M08T/F08T-3.0PUR/BK  |  |
| PUR                                                                                 | black5m   | M12P-M03T/F03T-5.0PUR/BK                                                            | M12P-M04T/F04T-5.0PUR/BK  | M12P-M05T/F05T-5.0PUR/BK                                                             |  | M12P-M08T/F08T-5.0PUR/BK  |  |
| PUR                                                                                 | black10m  | M12P-M03T/F03T-10.0PUR/BK                                                           | M12P-M04T/F04T-10.0PUR/BK | M12P-M05T/F05T-10.0PUR/BK                                                            |  | M12P-M08T/F08T-10.0PUR/BK |  |
| DragChain                                                                           | black3m   | M12P-M03T/F03T-3.0TL/BK                                                             | M12P-M04T/F04T-3.0TL/BK   | M12P-M05T/F05T-3.0TL/BK                                                              |  | M12P-M08T/F08T-3.0TL/BK   |  |
| DragChain                                                                           | black5m   | M12P-M03T/F03T-5.0TL/BK                                                             | M12P-M04T/F04T-5.0TL/BK   | M12P-M05T/F05T-5.0TL/BK                                                              |  | M12P-M08T/F08T-5.0TL/BK   |  |
| DragChain                                                                           | black10m  | M12P-M03T/F03T-10.0TL/BK                                                            | M12P-M04T/F04T-10.0TL/BK  | M12P-M05T/F05T-10.0TL/BK                                                             |  | M12P-M08T/F08T-10.0TL/BK  |  |
| Anti-Welding                                                                        | orange3m  | M12P-M03T/F03T-3.0FH/OG                                                             | M12P-M04T/F04T-3.0FH/OG   | M12P-M05T/F05T-3.0FH/OG                                                              |  | M12P-M08T/F08T-3.0FH/OG   |  |
| Anti-Welding                                                                        | orange5m  | M12P-M03T/F03T-5.0FH/OG                                                             | M12P-M04T/F04T-5.0FH/OG   | M12P-M05T/F05T-5.0FH/OG                                                              |  | M12P-M08T/F08T-5.0FH/OG   |  |
| Anti-Welding                                                                        | orange10m | M12P-M03T/F03T-10.0FH/OG                                                            | M12P-M04T/F04T-10.0FH/OG  | M12P-M05T/F05T-10.0FH/OG                                                             |  | M12P-M08T/F08T-10.0FH/OG  |  |
| Grey cable                                                                          | GY        | Rated voltage:250 V AC/DC                                                           |                           | Rated voltage:125 V AC/DC                                                            |  | Rated voltage:60 V AC/DC  |  |

## RSwN



Shield

## Double end pre cast wire harness



|            |    |                           |                           |                          |
|------------|----|---------------------------|---------------------------|--------------------------|
| Grey cable | GY | Rated voltage:250 V AC/DC | Rated voltage:125 V AC/DC | Rated voltage:60 V AC/DC |
|------------|----|---------------------------|---------------------------|--------------------------|

Rated

\*0:30 V AC/DC

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

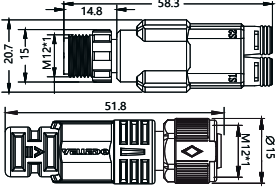
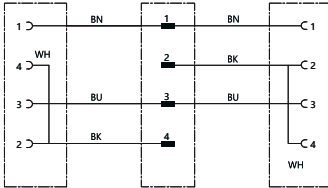
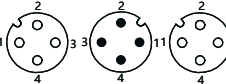
|                            |                                   |                               |                                   |
|----------------------------|-----------------------------------|-------------------------------|-----------------------------------|
| Cable specification        | N*0.34mm <sup>2</sup> (3,4,5core) | N*0.25mm <sup>2</sup> (8core) | N*0.14mm <sup>2</sup> (12,17core) |
| ProtectionClass(IEC 60529) | IP67                              |                               |                                   |
| Ambient temperature        | -25~+85℃                          |                               |                                   |



## RSwN

| Product drawing     |           | Product size               | Circuit | Pin Assignment |
|---------------------|-----------|----------------------------|---------|----------------|
|                     |           |                            |         |                |
| Material and Length |           | 4core                      | 3core   |                |
| PVC                 | black3m   | Y-M12-M04/2F03T-3.0PVC/BK  |         |                |
| PVC                 | black5m   | Y-M12-M04/2F03T-5.0PVC/BK  |         |                |
| PVC                 | black10m  | Y-M12-M04/2F03T-10.0PVC/BK |         |                |
| PUR                 | black3m   | Y-M12-M04/2F03T-3.0PURBK   |         |                |
| PUR                 | black5m   | Y-M12-M04/2F03T-5.0PUR/BK  |         |                |
| PUR                 | black10m  | Y-M12-M04/2F03T-10.0PUR/BK |         |                |
| DragChain           | black3m   | Y-M12-M04/2F03T-3.0TL/BK   |         |                |
| DragChain           | black5m   | Y-M12-M04/2F03T-5.0TL/BK   |         |                |
| DragChain           | black10m  | Y-M12-M04/2F03T-10.0TL/BK  |         |                |
| Anti-Welding        | orange3m  | Y-M12-M04/2F03T-3.0FH/OG   |         |                |
| Anti-Welding        | orange5m  | Y-M12-M04/2F03T-5.0FH/OG   |         |                |
| Anti-Welding        | orange10m | Y-M12-M04/2F03T-10.0FH/OG  |         |                |
| Grey cable          | GY        |                            |         |                |

|                            |             |
|----------------------------|-------------|
| Rated voltage              | 250 V AC/DC |
| Cable specification        | 3*0.34mm²   |
| ProtectionClass(IEC 60529) | IP67        |
| Ambient temperature        | -25~+85°C   |

| Product drawing                                                                     |           | Product size                                                                        | Circuit                                                                              | Pin Assignment                                                                        |
|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |           |  |  |  |
| Material and Length                                                                 |           | 4core 4core                                                                         |                                                                                      |                                                                                       |
| PVC                                                                                 | black3m   | Y-M12-M04/2F04T-3.0PVC/BK                                                           |                                                                                      |                                                                                       |
| PVC                                                                                 | black5m   | Y-M12-M04/2F04T-5.0PVC/BK                                                           |                                                                                      |                                                                                       |
| PVC                                                                                 | black10m  | Y-M12-M04/2F04T-10.0PVC/BK                                                          |                                                                                      |                                                                                       |
| PUR                                                                                 | black3m   | Y-M12-M04/2F04T-3.0PUR/BK                                                           |                                                                                      |                                                                                       |
| PUR                                                                                 | black5m   | Y-M12-M04/2F04T-5.0PUR/BK                                                           |                                                                                      |                                                                                       |
| PUR                                                                                 | black10m  | Y-M12-M04/2F04T-10.0PUR/BK                                                          |                                                                                      |                                                                                       |
| DragChain                                                                           | black3m   | Y-M12-M04/2F04T-3.0TL/BK                                                            |                                                                                      |                                                                                       |
| DragChain                                                                           | black5m   | Y-M12-M04/2F04T-5.0TL/BK                                                            |                                                                                      |                                                                                       |
| DragChain                                                                           | black10m  | Y-M12-M04/2F04T-10.0TL/BK                                                           |                                                                                      |                                                                                       |
| Anti-Welding                                                                        | orange3m  | Y-M12-M04/2F04T-3.0FH/OG                                                            |                                                                                      |                                                                                       |
| Anti-Welding                                                                        | orange5m  | Y-M12-M04/2F04T-5.0FH/OG                                                            |                                                                                      |                                                                                       |
| Anti-Welding                                                                        | orange10m | Y-M12-M04/2F04T-10.0FH/OG                                                           |                                                                                      |                                                                                       |
| Grey cable                                                                          | GY        |                                                                                     |                                                                                      |                                                                                       |

|                            |             |
|----------------------------|-------------|
| Rated voltage              | 250 V AC/DC |
| Cable specification        | 3*0.34mm²   |
| ProtectionClass(IEC 60529) | IP67        |
| Ambient temperature        | -25~+85℃    |

# M12 Connector Harness



## Y-type Connection Cable

| Product drawing | Product size | Circuit | Pin Assignment |
|-----------------|--------------|---------|----------------|
|                 |              |         |                |

| Material and Length |           | 4core                        | 4core |
|---------------------|-----------|------------------------------|-------|
| PVC                 | black3m   | Y-M12-M04/2F04T-B-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-M04/2F04T-B-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-M04/2F04T-B-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-M04/2F04T-B-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-M04/2F04T-B-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-M04/2F04T-B-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-M04/2F04T-B-3.0TL/BK   |       |
| DragChain           | black5m   | Y-M12-M04/2F04T-B-5.0TL/BK   |       |
| DragChain           | black10m  | Y-M12-M04/2F04T-B-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-M04/2F04T-B-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-M04/2F04T-B-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-M04/2F04T-B-10.0FH/OG  |       |
| Grey cable          | GY        |                              |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | 4*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## Y-type Connection Cable



| Product drawing | Product size | Circuit | Pin Assignment |
|-----------------|--------------|---------|----------------|
|                 |              |         |                |

| Material and Length |           | 4core                          | 4core |
|---------------------|-----------|--------------------------------|-------|
| PVC                 | black3m   | Y-M12-M04/2F03T-LED-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-M04/2F03T-LED-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-M04/2F03T-LED-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-M04/2F03T-LED-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-M04/2F03T-LED-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-M04/2F03T-LED-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-M04/2F03T-LED-3.0TL/BK   |       |
| DragChain           | black5m   | Y-M12-M04/2F03T-LED-5.0TL/BK   |       |
| DragChain           | black10m  | Y-M12-M04/2F03T-LED-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-M04/2F03T-LED-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-M04/2F03T-LED-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-M04/2F03T-LED-10.0FH/OG  |       |
| Grey cable          | GY        |                                |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | 3*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

# M12 Connector Harness



## Y-type Connection Cable

| Product drawing | Product size | Circuit | Pin Assignment |
|-----------------|--------------|---------|----------------|
|                 |              |         |                |

| Material and Length |           | 4core                      | 3core |
|---------------------|-----------|----------------------------|-------|
| PVC                 | black3m   | Y-M12-M04/2F03S-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-M04/2F03S-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-M04/2F03S-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-M04/2F03S-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-M04/2F03S-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-M04/2F03S-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-M04/2F03S-3.0TL/BK   |       |
| DragChain           | black5m   | Y-M12-M04/2F03S-5.0TL/BK   |       |
| DragChain           | black10m  | Y-M12-M04/2F03S-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-M04/2F03S-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-M04/2F03S-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-M04/2F03S-10.0FH/OG  |       |
| Grey cable          | GY        |                            |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | 3*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## Y-type Connection Cable

| Product drawing | Product size | Circuit | Pin Assignment |
|-----------------|--------------|---------|----------------|
|                 |              |         |                |

| Material and Length |           | 4core                      | 4core |
|---------------------|-----------|----------------------------|-------|
| PVC                 | black3m   | Y-M12-M04/2F04S-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-M04/2F04S-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-M04/2F04S-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-M04/2F04S-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-M04/2F04S-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-M04/2F04S-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-M04/2F04S-10.0TL/BK  |       |
| DragChain           | black5m   | Y-M12-M04/2F04S-10.0TL/BK  |       |
| DragChain           | black10m  | Y-M12-M04/2F04S-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-M04/2F04S-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-M04/2F04S-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-M04/2F04S-10.0FH/OG  |       |
| Grey cable          | GY        |                            |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 24 V DC±25%           |
| Cable specification        | 3*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

# M12 Connector Harness



## Y-type Connection Cable



| Product drawing                                                                                             | Product size | Circuit                        | Pin Assignment                 |
|-------------------------------------------------------------------------------------------------------------|--------------|--------------------------------|--------------------------------|
|                                                                                                             |              |                                |                                |
| Material and Length                                                                                         |              | 4core 3core                    | 4core 4core                    |
| PVC                                                                                                         | black3m      | Y-M12-M04/2F03S-LED-3.0PVC/BK  | Y-M12-M04/2F04S-LED-3.0PVC/BK  |
| PVC                                                                                                         | black5m      | Y-M12-M04/2F03S-LED-5.0PVC/BK  | Y-M12-M04/2F04S-LED-5.0PVC/BK  |
| PVC                                                                                                         | black10m     | Y-M12-M04/2F03S-LED-10.0PVC/BK | Y-M12-M04/2F04S-LED-10.0PVC/BK |
| PUR                                                                                                         | black3m      | Y-M12-M04/2F03S-LED-3.0PUR/BK  | Y-M12-M04/2F04S-LED-3.0PUR/BK  |
| PUR                                                                                                         | black5m      | Y-M12-M04/2F03S-LED-5.0PUR/BK  | Y-M12-M04/2F04S-LED-5.0PUR/BK  |
| PUR                                                                                                         | black10m     | Y-M12-M04/2F03S-LED-10.0PUR/BK | Y-M12-M04/2F04S-LED-10.0PUR/BK |
| DragChain                                                                                                   | black3m      | Y-M12-M04/2F03S-LED-3.0TL/BK   | Y-M12-M04/2F04S-LED-3.0TL/BK   |
| DragChain                                                                                                   | black5m      | Y-M12-M04/2F03S-LED-5.0TL/BK   | Y-M12-M04/2F04S-LED-5.0TL/BK   |
| DragChain                                                                                                   | black10m     | Y-M12-M04/2F03S-LED-10.0TL/BK  | Y-M12-M04/2F04S-LED-10.0TL/BK  |
| Anti-Welding                                                                                                | orange3m     | Y-M12-M04/2F03S-LED-3.0FH/OG   | Y-M12-M04/2F04S-LED-3.0FH/OG   |
| Anti-Welding                                                                                                | orange5m     | Y-M12-M04/2F03S-LED-5.0FH/OG   | Y-M12-M04/2F04S-LED-5.0FH/OG   |
| Anti-Welding                                                                                                | orange10m    | Y-M12-M04/2F03S-LED-10.0FH/OG  | Y-M12-M04/2F04S-LED-10.0FH/OG  |
| Grey cable                                                                                                  | GY           |                                |                                |
| Length/Material Could be customized according to different enviroment ,like extrimetpreture and acid/alkali |              |                                |                                |
| Rated voltage                                                                                               |              | 250 V AC/DC                    |                                |
| Cable specification                                                                                         |              | 3*0.34mm <sup>2</sup>          |                                |
| ProtectionClass(IEC 60529)                                                                                  |              | IP67                           |                                |
| Ambient temperature                                                                                         |              | -25~+85°C                      |                                |

## Y-type Connection Cable

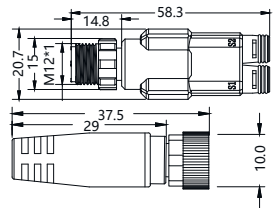
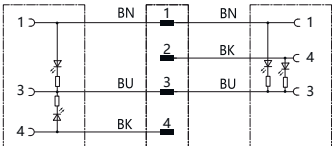
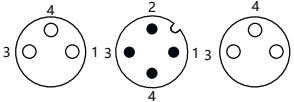
| Product drawing                                                                                             | Product size | Circuit                       | Pin Assignment |
|-------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|----------------|
|                                                                                                             |              |                               |                |
| Material and Length                                                                                         |              | 4core 3core                   |                |
| PVC                                                                                                         | black3m      | Y-M12-M04/M8-2F03T-3.0PVC/BK  |                |
| PVC                                                                                                         | black5m      | Y-M12-M04/M8-2F03T-5.0PVC/BK  |                |
| PVC                                                                                                         | black10m     | Y-M12-M04/M8-2F03T-10.0PVC/BK |                |
| PUR                                                                                                         | black3m      | Y-M12-M04/M8-2F03T-3.0PUR/BK  |                |
| PUR                                                                                                         | black5m      | Y-M12-M04/M8-2F03T-5.0PUR/BK  |                |
| PUR                                                                                                         | black10m     | Y-M12-M04/M8-2F03T-10.0PUR/BK |                |
| DragChain                                                                                                   | black3m      | Y-M12-M04/M8-2F03T-3.0TL/BK   |                |
| DragChain                                                                                                   | black5m      | Y-M12-M04/M8-2F03T-5.0TL/BK   |                |
| DragChain                                                                                                   | black10m     | Y-M12-M04/M8-2F03T-10.0TL/BK  |                |
| Anti-Welding                                                                                                | orange3m     | Y-M12-M04/M8-2F03T-3.0FH/OG   |                |
| Anti-Welding                                                                                                | orange5m     | Y-M12-M04/M8-2F03T-5.0FH/OG   |                |
| Anti-Welding                                                                                                | orange10m    | Y-M12-M04/M8-2F03T-10.0FH/OG  |                |
| Grey cable                                                                                                  | GY           |                               |                |
| Length/Material Could be customized according to different enviroment ,like extrimetpreture and acid/alkali |              |                               |                |
| Rated voltage                                                                                               |              | 250 V AC/DC                   |                |
| Cable specification                                                                                         |              | 3*0.25mm <sup>2</sup>         |                |
| ProtectionClass(IEC 60529)                                                                                  |              | IP67                          |                |
| Ambient temperature                                                                                         |              | -25~+85°C                     |                |

# M12 Connector Harness

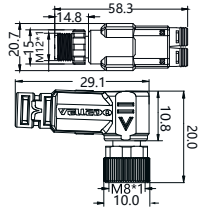
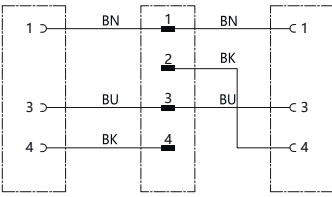
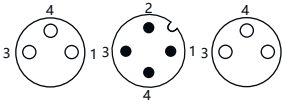


## Y-type Connection Cable



| Product drawing                                                                                                | Product size                                                                      | Circuit                                                                            | Pin Assignment                                                                      |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               |  |  |  |
| Material and Length                                                                                            |                                                                                   | 4core                                                                              | 3core                                                                               |
| PVC                                                                                                            | black3m                                                                           | Y-M12-M04/M8-2F03T-LED-3.0PVC/BK                                                   |                                                                                     |
| PVC                                                                                                            | black5m                                                                           | Y-M12-M04/M8-2F03T-LED-5.0PVC/BK                                                   |                                                                                     |
| PVC                                                                                                            | black10m                                                                          | Y-M12-M04/M8-2F03T-LED-10.0PVC/BK                                                  |                                                                                     |
| PUR                                                                                                            | black3m                                                                           | Y-M12-M04/M8-2F03T-LED-3.0PUR/BK                                                   |                                                                                     |
| PUR                                                                                                            | black5m                                                                           | Y-M12-M04/M8-2F03T-LED-5.0PUR/BK                                                   |                                                                                     |
| PUR                                                                                                            | black10m                                                                          | Y-M12-M04/M8-2F03T-LED-10.0PUR/BK                                                  |                                                                                     |
| DragChain                                                                                                      | black3m                                                                           | Y-M12-M04/M8-2F03T-LED-3.0TL/BK                                                    |                                                                                     |
| DragChain                                                                                                      | black5m                                                                           | Y-M12-M04/M8-2F03T-LED-5.0TL/BK                                                    |                                                                                     |
| DragChain                                                                                                      | black10m                                                                          | Y-M12-M04/M8-2F03T-LED-10.0TL/BK                                                   |                                                                                     |
| Anti-Welding                                                                                                   | orange3m                                                                          | Y-M12-M04/M8-2F03T-LED-3.0FH/OG                                                    |                                                                                     |
| Anti-Welding                                                                                                   | orange5m                                                                          | Y-M12-M04/M8-2F03T-LED-5.0FH/OG                                                    |                                                                                     |
| Anti-Welding                                                                                                   | orange10m                                                                         | Y-M12-M04/M8-2F03T-LED-10.0FH/OG                                                   |                                                                                     |
| Grey cable                                                                                                     | GY                                                                                |                                                                                    |                                                                                     |
| Length/Material Could be customized according to different enviroment ,like extrame temprature and acid/alkali |                                                                                   |                                                                                    |                                                                                     |
| Rated voltage                                                                                                  |                                                                                   | 24 V DC±25%                                                                        |                                                                                     |
| Cable specification                                                                                            |                                                                                   | 3*0.25mm²                                                                          |                                                                                     |
| ProtectionClass(IEC 60529)                                                                                     |                                                                                   | IP67                                                                               |                                                                                     |
| Ambient temperature                                                                                            |                                                                                   | -25~+85℃                                                                           |                                                                                     |

## Y-type Connection Cable

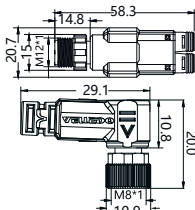
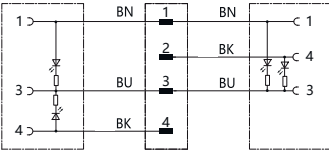
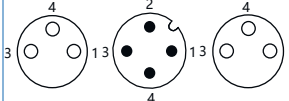
| Product drawing                                                                                                | Product size                                                                        | Circuit                                                                              | Pin Assignment                                                                        |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                             |  |  |  |
| Material and Length                                                                                            |                                                                                     | 4core                                                                                | 3core                                                                                 |
| PVC                                                                                                            | black3m                                                                             | Y-M12-M04/M8-2F03S-3.0PVC/BK                                                         |                                                                                       |
| PVC                                                                                                            | black5m                                                                             | Y-M12-M04/M8-2F03S-5.0PVC/BK                                                         |                                                                                       |
| PVC                                                                                                            | black10m                                                                            | Y-M12-M04/M8-2F03S-10.0PVC/BK                                                        |                                                                                       |
| PUR                                                                                                            | black3m                                                                             | Y-M12-M04/M8-2F03S-3.0PUR/BK                                                         |                                                                                       |
| PUR                                                                                                            | black5m                                                                             | Y-M12-M04/M8-2F03S-5.0PUR/BK                                                         |                                                                                       |
| PUR                                                                                                            | black10m                                                                            | Y-M12-M04/M8-2F03S-10.0PUR/BK                                                        |                                                                                       |
| DragChain                                                                                                      | black3m                                                                             | Y-M12-M04/M8-2F03S-3.0TL/BK                                                          |                                                                                       |
| DragChain                                                                                                      | black5m                                                                             | Y-M12-M04/M8-2F03S-5.0TL/BK                                                          |                                                                                       |
| DragChain                                                                                                      | black10m                                                                            | Y-M12-M04/M8-2F03S-10.0TL/BK                                                         |                                                                                       |
| Anti-Welding                                                                                                   | orange3m                                                                            | Y-M12-M04/M8-2F03S-3.0FH/OG                                                          |                                                                                       |
| Anti-Welding                                                                                                   | orange5m                                                                            | Y-M12-M04/M8-2F03S-5.0FH/OG                                                          |                                                                                       |
| Anti-Welding                                                                                                   | orange10m                                                                           | Y-M12-M04/M8-2F03S-10.0FH/OG                                                         |                                                                                       |
| Grey cable                                                                                                     | GY                                                                                  |                                                                                      |                                                                                       |
| Length/Material Could be customized according to different enviroment ,like extrame temprature and acid/alkali |                                                                                     |                                                                                      |                                                                                       |
| Rated voltage                                                                                                  |                                                                                     | 250 V AC/DC                                                                          |                                                                                       |
| Cable specification                                                                                            |                                                                                     | 3*0.25mm²                                                                            |                                                                                       |
| ProtectionClass(IEC 60529)                                                                                     |                                                                                     | IP67                                                                                 |                                                                                       |
| Ambient temperature                                                                                            |                                                                                     | -25~+85°C                                                                            |                                                                                       |



# M12 Connector Harness

## Y-type Connection Cable



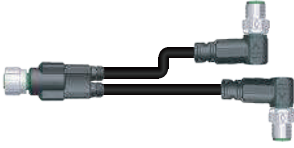
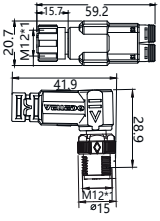
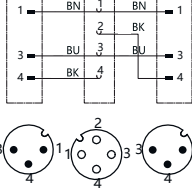
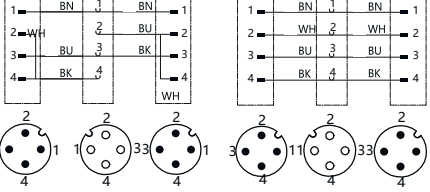
| Product drawing                                                                                                | Product size                                                                      | Circuit                                                                            | Pin Assignment                                                                      |
|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               |  |  |  |
| Material and Length                                                                                            |                                                                                   | 4core                                                                              | 3core                                                                               |
| PVC                                                                                                            | black3m                                                                           | Y-M12-M04/M8-2F03S-LED-3.0PVC/BK                                                   |                                                                                     |
| PVC                                                                                                            | black5m                                                                           | Y-M12-M04/M8-2F03S-LED-5.0PVC/BK                                                   |                                                                                     |
| PVC                                                                                                            | black10m                                                                          | Y-M12-M04/M8-2F03S-LED-10.0PVC/BK                                                  |                                                                                     |
| PUR                                                                                                            | black3m                                                                           | Y-M12-M04/M8-2F03S-LED-3.0PUR/BK                                                   |                                                                                     |
| PUR                                                                                                            | black5m                                                                           | Y-M12-M04/M8-2F03S-LED-5.0PUR/BK                                                   |                                                                                     |
| PUR                                                                                                            | black10m                                                                          | Y-M12-M04/M8-2F03S-LED-10.0PUR/BK                                                  |                                                                                     |
| DragChain                                                                                                      | black3m                                                                           | Y-M12-M04/M8-2F03S-LED-3.0TL/BK                                                    |                                                                                     |
| DragChain                                                                                                      | black5m                                                                           | Y-M12-M04/M8-2F03S-LED-5.0TL/BK                                                    |                                                                                     |
| DragChain                                                                                                      | black10m                                                                          | Y-M12-M04/M8-2F03S-LED-10.0TL/BK                                                   |                                                                                     |
| Anti-Welding                                                                                                   | orange3m                                                                          | Y-M12-M04/M8-2F03S-LED-3.0FH/OG                                                    |                                                                                     |
| Anti-Welding                                                                                                   | orange5m                                                                          | Y-M12-M04/M8-2F03S-LED-5.0FH/OG                                                    |                                                                                     |
| Anti-Welding                                                                                                   | orange10m                                                                         | Y-M12-M04/M8-2F03S-LED-10.0FH/OG                                                   |                                                                                     |
| Grey cable                                                                                                     | GY                                                                                |                                                                                    |                                                                                     |
| Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali |                                                                                   |                                                                                    |                                                                                     |
| Rated voltage                                                                                                  |                                                                                   | 24 V DC±25%                                                                        |                                                                                     |
| Cable specification                                                                                            |                                                                                   | 4*0.25mm²                                                                          |                                                                                     |
| ProtectionClass(IEC 60529)                                                                                     |                                                                                   | IP67                                                                               |                                                                                     |
| Ambient temperature                                                                                            |                                                                                   | -25~+85°C                                                                          |                                                                                     |

## Y-type Connection Cable

| Product drawing                                                                                                | Product size | Circuit                    | Pin Assignment             |
|----------------------------------------------------------------------------------------------------------------|--------------|----------------------------|----------------------------|
|                                                                                                                |              |                            |                            |
| Material and Length                                                                                            |              | 4core 3core                | 4core 4core                |
| PVC                                                                                                            | black3m      | Y-M12-F04/2M03T-3.0PVC/BK  | Y-M12-F04/2M04T-3.0PVC/BK  |
| PVC                                                                                                            | black5m      | Y-M12-F04/2M03T-5.0PVC/BK  | Y-M12-F04/2M04T-5.0PVC/BK  |
| PVC                                                                                                            | black10m     | Y-M12-F04/2M03T-10.0PVC/BK | Y-M12-F04/2M04T-10.0PVC/BK |
| PUR                                                                                                            | black3m      | Y-M12-F04/2M03T-3.0PUR/BK  | Y-M12-F04/2M04T-3.0PUR/BK  |
| PUR                                                                                                            | black5m      | Y-M12-F04/2M03T-5.0PUR/BK  | Y-M12-F04/2M04T-5.0PUR/BK  |
| PUR                                                                                                            | black10m     | Y-M12-F04/2M03T-10.0PUR/BK | Y-M12-F04/2M04T-10.0PUR/BK |
| DragChain                                                                                                      | black3m      | Y-M12-F04/2M03T-3.0TL/BK   | Y-M12-F04/2M04T-3.0TL/BK   |
| DragChain                                                                                                      | black5m      | Y-M12-F04/2M03T-5.0TL/BK   | Y-M12-F04/2M04T-5.0TL/BK   |
| DragChain                                                                                                      | black10m     | Y-M12-F04/2M03T-10.0TL/BK  | Y-M12-F04/2M04T-10.0TL/BK  |
| Anti-Welding                                                                                                   | orange3m     | Y-M12-F04/2M03T-3.0FH/OG   | Y-M12-F04/2M04T-3.0FH/OG   |
| Anti-Welding                                                                                                   | orange5m     | Y-M12-F04/2M03T-5.0FH/OG   | Y-M12-F04/2M04T-5.0FH/OG   |
| Anti-Welding                                                                                                   | orange10m    | Y-M12-F04/2M03T-10.0FH/OG  | Y-M12-F04/2M04T-10.0FH/OG  |
| Grey cable                                                                                                     | GY           |                            |                            |
| Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali |              |                            |                            |
| Rated voltage                                                                                                  |              | 250 V AC/DC                |                            |
| Cable specification                                                                                            |              | 3*0.34mm²                  |                            |
| ProtectionClass(IEC 60529)                                                                                     |              | IP67                       |                            |
| Ambient temperature                                                                                            |              | -25~+85°C                  |                            |

# M12 Connector Harness

## Y-type Connection Cable

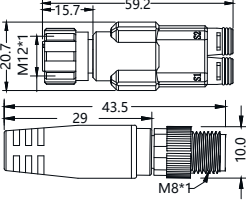
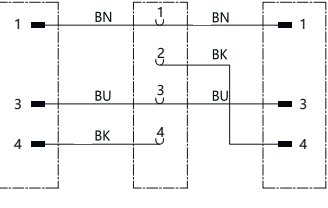
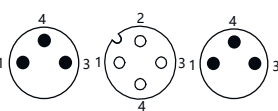
| Product drawing                                                                   | Product size                                                                      | Circuit                                                                           | Pin Assignment                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |  |

| Material and Length |           | 4core                      | 3core | 4core                      | 4core                        |
|---------------------|-----------|----------------------------|-------|----------------------------|------------------------------|
| PVC                 | black3m   | Y-M12-F04/2M03S-3.0PVC/BK  |       | Y-M12-F04/2M04S-3.0PVC/BK  | Y-M12-F04/2M04S-B-3.0PVC/BK  |
| PVC                 | black5m   | Y-M12-F04/2M03S-5.0PVC/BK  |       | Y-M12-F04/2M04S-5.0PVC/BK  | Y-M12-F04/2M04S-B-5.0PVC/BK  |
| PVC                 | black10m  | Y-M12-F04/2M03S-10.0PVC/BK |       | Y-M12-F04/2M04S-10.0PVC/BK | Y-M12-F04/2M04S-B-10.0PVC/BK |
| PUR                 | black3m   | Y-M12-F04/2M03S-3.0PUR/BK  |       | Y-M12-F04/2M04S-3.0PUR/BK  | Y-M12-F04/2M04S-B-3.0PUR/BK  |
| PUR                 | black5m   | Y-M12-F04/2M03S-5.0PUR/BK  |       | Y-M12-F04/2M04S-5.0PUR/BK  | Y-M12-F04/2M04S-B-5.0PUR/BK  |
| PUR                 | black10m  | Y-M12-F04/2M03S-10.0PUR/BK |       | Y-M12-F04/2M04S-10.0PUR/BK | Y-M12-F04/2M04S-B-10.0PUR/BK |
| DragChain           | black3m   | Y-M12-F04/2M03S-3.0TL/BK   |       | Y-M12-F04/2M04S-3.0TL/BK   | Y-M12-F04/2M04S-B-3.0TL/BK   |
| DragChain           | black5m   | Y-M12-F04/2M03S-5.0TL/BK   |       | Y-M12-F04/2M04S-5.0TL/BK   | Y-M12-F04/2M04S-B-5.0TL/BK   |
| DragChain           | black10m  | Y-M12-F04/2M03S-10.0TL/BK  |       | Y-M12-F04/2M04S-10.0TL/BK  | Y-M12-F04/2M04S-B-10.0TL/BK  |
| Anti-Welding        | orange3m  | Y-M12-F04/2M03S-3.0FH/OG   |       | Y-M12-F04/2M04S-3.0FH/OG   | Y-M12-F04/2M04S-B-3.0FH/OG   |
| Anti-Welding        | orange5m  | Y-M12-F04/2M03S-5.0FH/OG   |       | Y-M12-F04/2M04S-5.0FH/OG   | Y-M12-F04/2M04S-B-5.0FH/OG   |
| Anti-Welding        | orange10m | Y-M12-F04/2M03S-10.0FH/OG  |       | Y-M12-F04/2M04S-10.0FH/OG  | Y-M12-F04/2M04S-B-10.0FH/OG  |
| Grey cable          | GY        |                            |       |                            |                              |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 24 V DC±25%           |
| Cable specification        | N*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## Y-type Connection Cable

| Product drawing                                                                     | Product size                                                                        | Circuit                                                                              | Pin Assignment                                                                        |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |

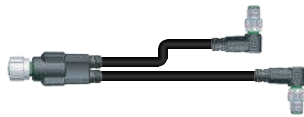
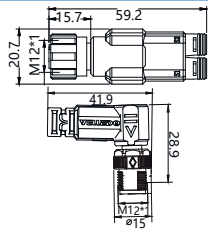
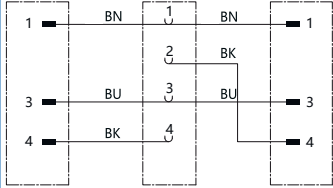
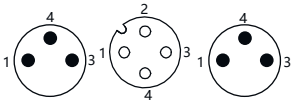
| Material and Length |           | 4core                         | 3core |
|---------------------|-----------|-------------------------------|-------|
| PVC                 | black3m   | Y-M12-F04/M8-2M03T-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-F04/M8-2M03T-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-F04/M8-2M03T-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-F04/M8-2M03T-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-F04/M8-2M03T-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-F04/M8-2M03T-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-F04/M8-2M03T-3.0TL/BK   |       |
| DragChain           | black5m   | Y-M12-F04/M8-2M03T-5.0TL/BK   |       |
| DragChain           | black10m  | Y-M12-F04/M8-2M03T-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-F04/M8-2M03T-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-F04/M8-2M03T-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-F04/M8-2M03T-10.0FH/OG  |       |
| Grey cable          | GY        |                               |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | 3*0.25mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

# M12 Connector Harness

## Y-type Connection Cable

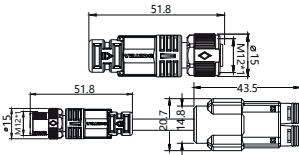
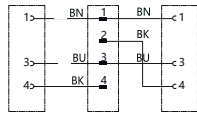
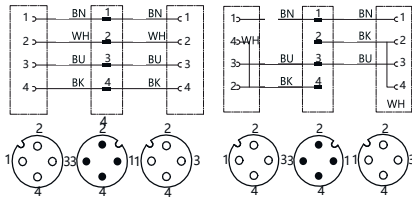
| Product drawing                                                                   | Product size                                                                      | Circuit                                                                            | Pin Assignment                                                                      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |

| Material and Length |           | 4core                         | 3core |
|---------------------|-----------|-------------------------------|-------|
| PVC                 | black3m   | Y-M12-F04/M8-2M03S-3.0PVC/BK  |       |
| PVC                 | black5m   | Y-M12-F04/M8-2M03S-5.0PVC/BK  |       |
| PVC                 | black10m  | Y-M12-F04/M8-2M03S-10.0PVC/BK |       |
| PUR                 | black3m   | Y-M12-F04/M8-2M03S-3.0PUR/BK  |       |
| PUR                 | black5m   | Y-M12-F04/M8-2M03S-5.0PUR/BK  |       |
| PUR                 | black10m  | Y-M12-F04/M8-2M03S-10.0PUR/BK |       |
| DragChain           | black3m   | Y-M12-F04/M8-2M03S-3.0TL/BK   |       |
| DragChain           | black5m   | Y-M12-F04/M8-2M03S-5.0TL/BK   |       |
| DragChain           | black10m  | Y-M12-F04/M8-2M03S-10.0TL/BK  |       |
| Anti-Welding        | orange3m  | Y-M12-F04/M8-2M03S-3.0FH/OG   |       |
| Anti-Welding        | orange5m  | Y-M12-F04/M8-2M03S-5.0FH/OG   |       |
| Anti-Welding        | orange10m | Y-M12-F04/M8-2M03S-10.0FH/OG  |       |
| Grey cable          |           | GY                            |       |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 60 V AC/DC            |
| Cable specification        | 3*0.25mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## Y-type Connection Cable

| Product drawing                                                                     | Product size                                                                        | Circuit                                                                             | Pin Assignment                                                                        |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |

| Material and Length |          | 4core                          | 4core                         | 4core                            |
|---------------------|----------|--------------------------------|-------------------------------|----------------------------------|
| PVC                 | black1m  | Y-M12-M04T-1.0/2F03T-1.0PVC/BK | Y-M12-M04-1.0/2F04T-1.0PVC/BK | Y-M12-M04T-1.0/2F04T-B-1.0PVC/BK |
| PVC                 | black3m  | Y-M12-M04T-3.0/2F03T-3.0PVC/BK | Y-M12-M04-3.0/2F04T-3.0PVC/BK | Y-M12-M04T-3.0/2F04T-B-3.0PVC/BK |
| PVC                 | black5m  | Y-M12-M04T-5.0/2F03T-5.0PVC/BK | Y-M12-M04-5.0/2F04T-5.0PVC/BK | Y-M12-M04T-5.0/2F04T-B-5.0PVC/BK |
| PUR                 | black1m  | Y-M12-M04T-1.0/2F03T-1.0PUR/BK | Y-M12-M04-1.0/2F04T-1.0PUR/BK | Y-M12-M04T-1.0/2F04T-B-1.0PUR/BK |
| PUR                 | black3m  | Y-M12-M04T-3.0/2F03T-3.0PUR/BK | Y-M12-M04-3.0/2F04T-3.0PUR/BK | Y-M12-M04T-3.0/2F04T-B-3.0PUR/BK |
| PUR                 | black5m  | Y-M12-M04T-5.0/2F03T-5.0PUR/BK | Y-M12-M04-5.0/2F04T-5.0PUR/BK | Y-M12-M04T-5.0/2F04T-B-5.0PUR/BK |
| DragChain           | black1m  | Y-M12-M04T-1.0/2F03T-1.0TL/BK  | Y-M12-M04-1.0/2F04T-1.0TL/BK  | Y-M12-M04T-1.0/2F04T-B-1.0TL/BK  |
| DragChain           | black3m  | Y-M12-M04T-3.0/2F03T-3.0TL/BK  | Y-M12-M04-3.0/2F04T-3.0TL/BK  | Y-M12-M04T-3.0/2F04T-B-3.0TL/BK  |
| DragChain           | black5m  | Y-M12-M04T-5.0/2F03T-5.0TL/BK  | Y-M12-M04-5.0/2F04T-5.0TL/BK  | Y-M12-M04T-5.0/2F04T-B-5.0TL/BK  |
| Anti-Welding        | orange1m | Y-M12-M04T-1.0/2F03T-1.0FH/OG  | Y-M12-M04-1.0/2F04T-1.0FH/OG  | Y-M12-M04T-1.0/2F04T-B-1.0FH/OG  |
| Anti-Welding        | orange3m | Y-M12-M04T-3.0/2F03T-3.0FH/OG  | Y-M12-M04-3.0/2F04T-3.0FH/OG  | Y-M12-M04T-3.0/2F04T-B-3.0FH/OG  |
| Anti-Welding        | orange5m | Y-M12-M04T-5.0/2F03T-5.0FH/OG  | Y-M12-M04-5.0/2F04T-5.0FH/OG  | Y-M12-M04T-5.0/2F04T-B-5.0FH/OG  |
| Grey cable          |          | GY                             |                               |                                  |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | N*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

# M12 Connector Harness



## Y-type Connection Cable

| Product drawing     | Product size | Circuit                           | Pin Assignment                    |
|---------------------|--------------|-----------------------------------|-----------------------------------|
|                     |              |                                   |                                   |
| Material and Length |              | 4core                             | 4core                             |
| PVC                 | black1m      | Y-M12-M04T-1.0/M8-2F03T-1.0PVC/BK | Y-M12-M04T-1.0/M8-2F04T-1.0PVC/BK |
| PVC                 | black3m      | Y-M12-M04T-3.0/M8-2F03T-3.0PVC/BK | Y-M12-M04T-3.0/M8-2F04T-3.0PVC/BK |
| PVC                 | black5m      | Y-M12-M04T-5.0/M8-2F03T-5.0PVC/BK | Y-M12-M04T-5.0/M8-2F04T-5.0PVC/BK |
| PUR                 | black1m      | Y-M12-M04T-1.0/M8-2F03T-1.0PUR/BK | Y-M12-M04T-1.0/M8-2F04T-1.0PUR/BK |
| PUR                 | black3m      | Y-M12-M04T-3.0/M8-2F03T-3.0PUR/BK | Y-M12-M04T-3.0/M8-2F04T-3.0PUR/BK |
| PUR                 | black5m      | Y-M12-M04T-5.0/M8-2F03T-5.0PUR/BK | Y-M12-M04T-5.0/M8-2F04T-5.0PUR/BK |
| DragChain           | black1m      | Y-M12-M04T-1.0/M8-2F03T-1.0TL/BK  | Y-M12-M04T-1.0/M8-2F04T-1.0TL/BK  |
| DragChain           | black3m      | Y-M12-M04T-3.0/M8-2F03T-3.0TL/BK  | Y-M12-M04T-3.0/M8-2F04T-3.0TL/BK  |
| DragChain           | black5m      | Y-M12-M04T-5.0/M8-2F03T-5.0TL/BK  | Y-M12-M04T-5.0/M8-2F04T-5.0TL/BK  |
| Anti-Welding        | orange1m     | Y-M12-M04T-1.0/M8-2F03T-1.0FH/OG  | Y-M12-M04T-1.0/M8-2F04T-1.0FH/OG  |
| Anti-Welding        | orange3m     | Y-M12-M04T-3.0/M8-2F03T-3.0FH/OG  | Y-M12-M04T-3.0/M8-2F04T-3.0FH/OG  |
| Anti-Welding        | orange5m     | Y-M12-M04T-5.0/M8-2F03T-5.0FH/OG  | Y-M12-M04T-5.0/M8-2F04T-5.0FH/OG  |
| Grey cable          | GY           |                                   |                                   |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 60 V AC/DC            |
| Cable specification        | 3*0.25mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## Y-type Connection Cable

| Product drawing     | Product size | Circuit                           | Pin Assignment                    |
|---------------------|--------------|-----------------------------------|-----------------------------------|
|                     |              |                                   |                                   |
| Material and Length |              | 4core                             | 4core                             |
| PVC                 | black1m      | Y-M12-M04T-1.0/2L3C0.34-1.0PVC/BK | Y-M12-M04T-1.0/2L4C0.34-1.0PVC/BK |
| PVC                 | black3m      | Y-M12-M04T-3.0/2L3C0.34-3.0PVC/BK | Y-M12-M04T-3.0/2L4C0.34-3.0PVC/BK |
| PVC                 | black5m      | Y-M12-M04T-5.0/2L3C0.34-5.0PVC/BK | Y-M12-M04T-5.0/2L4C0.34-5.0PVC/BK |
| PUR                 | black1m      | Y-M12-M04T-1.0/2L3C0.34-1.0PUR/BK | Y-M12-M04T-1.0/2L4C0.34-1.0PUR/BK |
| PUR                 | black3m      | Y-M12-M04T-3.0/2L3C0.34-3.0PUR/BK | Y-M12-M04T-3.0/2L4C0.34-3.0PUR/BK |
| PUR                 | black5m      | Y-M12-M04T-5.0/2L3C0.34-5.0PUR/BK | Y-M12-M04T-5.0/2L4C0.34-5.0PUR/BK |
| DragChain           | black1m      | Y-M12-M04T-1.0/2L3C0.34-1.0TL/BK  | Y-M12-M04T-1.0/2L4C0.34-1.0TL/BK  |
| DragChain           | black3m      | Y-M12-M04T-3.0/2L3C0.34-3.0TL/BK  | Y-M12-M04T-3.0/2L4C0.34-3.0TL/BK  |
| DragChain           | black5m      | Y-M12-M04T-5.0/2L3C0.34-5.0TL/BK  | Y-M12-M04T-5.0/2L4C0.34-5.0TL/BK  |
| Anti-Welding        | orange1m     | Y-M12-M04T-1.0/2L3C0.34-1.0FH/OG  | Y-M12-M04T-1.0/2L4C0.34-1.0FH/OG  |
| Anti-Welding        | orange3m     | Y-M12-M04T-3.0/2L3C0.34-3.0FH/OG  | Y-M12-M04T-3.0/2L4C0.34-3.0FH/OG  |
| Anti-Welding        | orange5m     | Y-M12-M04T-5.0/2L3C0.34-5.0FH/OG  | Y-M12-M04T-5.0/2L4C0.34-5.0FH/OG  |
| Grey cable          | GY           |                                   |                                   |

Length/Material Could be customized according to different enviroment ,like extrame tempreture and acid/alkali

|                            |                       |
|----------------------------|-----------------------|
| Rated voltage              | 250 V AC/DC           |
| Cable specification        | N*0.34mm <sup>2</sup> |
| ProtectionClass(IEC 60529) | IP67                  |
| Ambient temperature        | -25~+85°C             |

## RSWN

| Product drawing                                                                   | Product size                                                                       | Pin Assignment                                                                                |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  |  |  <p>L扣</p> |

| Length/Material Could be customized according to different enviroment ,like extrimetpreture and acid/alkali |                                          |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Rated voltage                                                                                               | 630 V AC/DC                              |
| Rated current                                                                                               | Max 10A                                  |
| Cable specification                                                                                         | 4G1.5mm²                                 |
| ProtectionClass(IEC 60529)                                                                                  | IP65~IP67                                |
| Ambient temperature                                                                                         | -25 ... + 85°C, Depends on cable quality |

| Product drawing                                                                     | Product size                                                                         | Pin Assignment                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |

|                                                                                                                |                                          |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Length/Material Could be customized according to different enviroment ,like extrame temprature and acid/alkali |                                          |
| Rated voltage                                                                                                  | 630 V AC/DC                              |
| Rated current                                                                                                  | Max 10A                                  |
| Cable specification                                                                                            | 4G1.5mm²                                 |
| ProtectionClass(IEC 60529)                                                                                     | IP65~IP67                                |
| Ambient temperature                                                                                            | -25 ... + 85°C, Depends on cable quality |