

Cabling accessories

OsiSense XZ

Catalogue



Telemecanique
Sensors



Opting for sensors incorporating a connector gives you a quick and high performance solution

In the event of having to replace a sensor on a machine, this is achieved very quickly using products with connectors. Telemecanique Sensors offers you **OsiSense XZ**, a complete range of machine cabling accessories featuring 3 types of cable to suit the environment.

> PVC cable for general use

The most economical and competitive offer

> PUR cable for severe industrial environments

The highest performance offer, whatever the conditions

> Reinforced PVC cable for food and beverage processing environments

The highest degree of protection and most resistant offer

Contents

| | |
|---|----------------|
| Customer benefits | pages 2 and 3 |
| Selection guide | pages 4 to 7 |
| Presentation, general characteristics | pages 8 to 11 |
| Pre-wired connectors and jumper cables, PVC cable | pages 12 to 17 |
| Pre-wired connectors and jumper cables, PUR cable | pages 18 to 31 |
| Pre-wired connectors and jumper cables, Application series, PVC cable | pages 32 to 35 |
| Connectors, connector adaptors and splitter boxes | pages 36 to 47 |
| Product reference index | page 48 |

Simply easy!™



> PVC cable for general use

The OsiSense XZ range of PVC pre-wired connectors and jumper cables for general use is recommended for machines in non demanding environments and subject only to moderate mechanical stress. These products are particularly suited to assembly, material handling and packaging machines.

PVC
Economy &
competitiveness

The sheath colour distinguishes the two versions available:

- Grey sheath for versions with metric connectors (M8 and M12)
- Yellow sheath for versions with imperial connectors (1/2" and 7/8").



The + of the PVC range

Good resistance

- to moderate mechanical stress
- to chemical products
- to humid environments

Easy cable stripping

UL certified



> PUR cable for severe industrial environments

The OsiSense XZ range of very high performance PUR (polyurethane) pre-cabled connectors and jumper cables is designed for the most demanding industrial requirements. This offer is ideal for machines using lubricants, cooling oils and grease and subject to severe mechanical stress (cable flexing and friction). These cables are ideal for the automobile, machine tool and hydraulic machine sectors. Their excellent flexibility enables intensive use for alternating movements such as those associated with cable carriers, robotics, turntables, etc. They are halogen free, UL certified and have high degrees of protection (IP67 and IP69K).

0 discharge,
halogen free

4 million
alternating
(flexing)
operations



The + of the PUR range

Good resistance

- to severe mechanical stress (friction, abrasion, torsion)
- to hot and cold oils, greases and lubricants

Halogen free

UL certified



> Reinforced PVC cable for food and beverage processing environments

The OsiSense XZ range of reinforced PVC pre-cabled connectors and jumper cables is specially designed for the food and beverage processing industry. Featuring hygienic design stainless steel 316L connectors with smooth clamping ring, these products are designed to withstand high pressure washing and disinfection using aggressive products.

IP69K
& Stainless steel
316L
resistance
assurance



the **+** of the **PVC food** range

Good resistance

- to high pressure cleaning (IP69K and smooth, stainless steel, clamping ring)
- to disinfection using aggressive products



Accessories

The OsiSense XZ range is also a complete range of connectors and splitter boxes that are compatible with these pre-wired connectors and jumper cables.



100%
Availability throughout
the world

Presentation

To meet the requirements of different application sectors, Telemecanique Sensors offer a full range of connection accessories.

When used with OsiSense sensors these accessories must not only withstand the same electrical and mechanical stresses but, above all, the same environmental conditions.

As far as pre-wired connectors and particularly jumper cables are concerned, we have adapted each type of component.

They can be divided into three broad categories:

PVC cables: OsiSense XZCPV and XZCRV

- Areas of application:
 - General use in packaging and conveying
 - Assembly lines in the paper and card industry
 - Small machines
 - Can withstand moderate mechanical stress

- Main characteristics:
 - Very good value for money
 - Good water resistance
 - Good frictional resistance
 - Avoid permanent contact with oil and grease

PUR cables: OsiSense XZCP and XZCR

- Areas of application:
 - Products with high mechanical and chemical performance, recommended for all industrial applications in the automotive, machine tools, handling, cable carrier and robotics sectors

The composition of their insulating sheaths means that these cables do not give off halogen or produce corrosive or toxic gases.

Therefore, OsiSense XZCP and XZCR cables can be used in public places.

- Main characteristics:
 - Good resistance to oil, grease and coolants
 - Good bending strength and abrasion resistance
 - Good UV resistance
 - Zero halogen
 - Very high degree of protection: IP 65, IP 67 and IP 69K

PVC cables with reinforced connector: OsiSense XZCPA and XZCRA

- Areas of application:
 - Specially developed for the food and beverage sector

- Main characteristics:
 - Enhanced protection: IP 68/IP 69K
 - Very good water resistance
 - Impervious to detergents, disinfectants and chemicals
 - Can withstand moderate mechanical stress

For your cabling kits, Telemecanique Sensors offer:

- User cabled OsiSense XZCC connectors (with screw, insulation displacement or solder connections)
- OsiSense XZCE connector adaptors, for wall feed-throughs (for enclosures, junction boxes, etc.)



PVC cables: OsiSense XZCPV and XZCRV



PUR cables: OsiSense XZCP and XZCR



PVC cables with reinforced connector:
OsiSense XZCPA and XZCRA

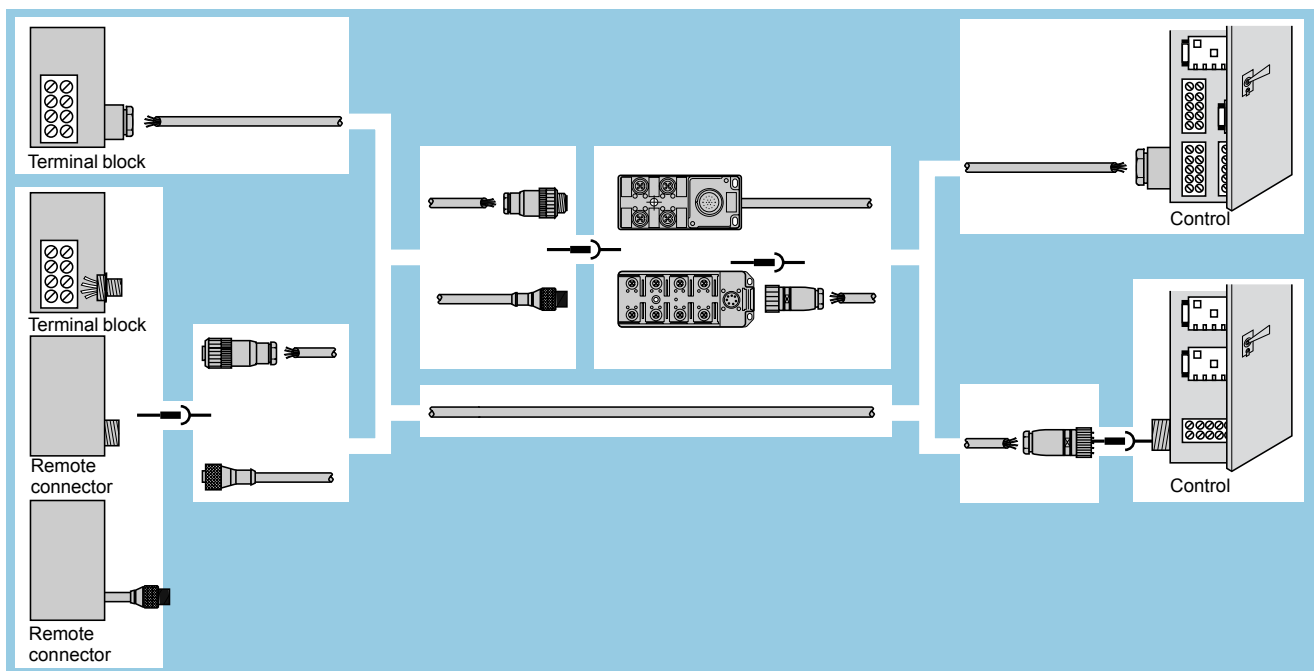
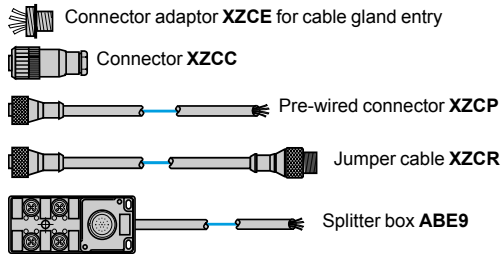


OsiSense XZCC
connectors

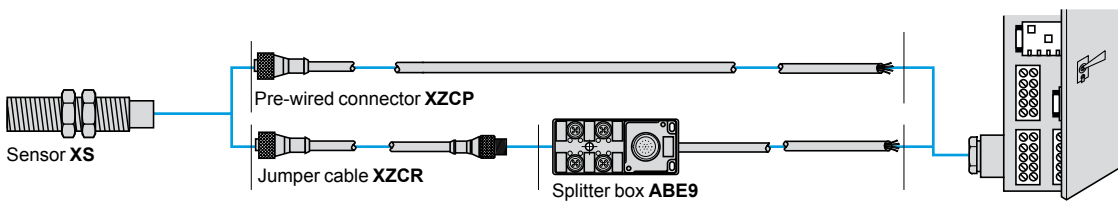


OsiSense XZCE
connector adaptors

Cabling accessories



Connection example



| Characteristics | | | |
|---------------------------------|----------------------|--|--|
| Type of cable | | General use cables XZCPV and XZCRV See pages 12 to 17 | High performance cables XZCP and XZCR See pages 18 to 31 |
| Ambient air temperature | For operation | °C - 25...+ 80 | - 40...+ 80 for static cable - 5...+ 80 for flexing cable |
| | For storage | °C - 55...+ 80 | - 40...+ 80 |
| Colour | | Grey, with metric connector Yellow, with imperial connector | Mat black |
| Material | Sheath | PVC (polyvinyl chloride) | PUR (polyurethane) |
| | Conductor insulation | PVC (polyvinyl chloride) | PP (polypropylene) |
| Manufacturing method | | Without silicone and without demoulding agent | Without silicone and without demoulding agent |
| Nominal voltage | | V ~ 250, --- 300 | 320, conforming to DIN VDE 0110 (III/3) |
| Insulation voltage | | kV 2.5 | 2.5 |
| Flame resistance | | VW-1 conforming to UL758 | UL-FT2 |
| Environmental resistance | | Conditions of use where not continuously immersed | Resistant to: - hydrocarbons - mineral or synthetic oils at 90°C, conforming to DIN/EN 60811-2-1 |
| Bending radius | | Static: 10 x external diameter | Static: 10 x external diameter |
| Resistance to flexing | | - | 4 million operations at 20°C, in the following conditions: - minimum radius 10 x D - pitch 10 m - speed: 3 m/s - acceleration: 10 m/s ² |
| Tensile strength | | N/mm ² 10 | 20...45 |
| Hardness | | 70 +/- 5 shore A | 80 +/- 5 shore A |

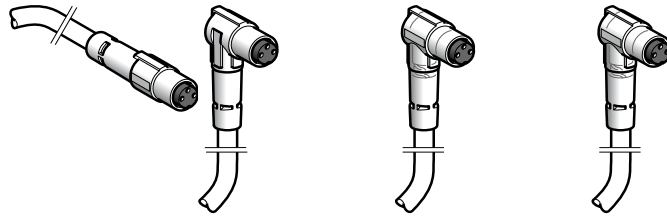
| Application series cables with reinforced insulation XZCPA and XZCRA See pages 32 to 35 | Bare cable XZCB4L0●● See page 47 |
|---|---|
| - 25...+ 95 | - 35...+ 90 |
| - 25...+ 95 | - 40...+ 100 |
| Matt black | Matt black |
| PVC | PvR (PVC/NBR) |
| PVC | PVC |
| Without silicone and without demoulding agent | Without silicone and without demoulding agent |
| ~ 250, ≡ 300 | 300 |
| 3 | 2, conforming to NFC 32-201-1 |
| C2 conforming to NF C 32-070 | C2 conforming to NF C 32-070 |
| Resistant to solvents and detergents | Resistant to soluble, mineral or synthetic oils at 90°C |
| Static: 10 x external diameter | R min. = 3 x external diameter |
| - | - |
| 11 | 10...35 |
| 80 +/- 5 shore A | 70 +/- 5 shore A |

Machine cabling accessories

OsiSense XZ

Pre-wired connectors, Ø 8 mm and M8

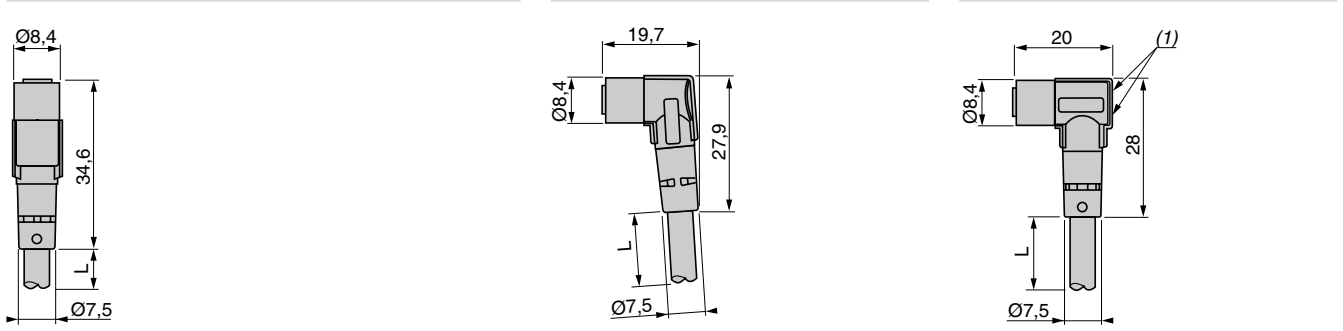
PUR cable



| | | | | | |
|-----------------------------------|----------|--|-------------------------|--------------------------------------|--------------------------------------|
| Connector type | | Female, Ø 8 mm, straight | Female, Ø 8 mm, elbowed | Female, Ø 8 mm, elbowed with PNP LED | Female, Ø 8 mm, elbowed with NPN LED |
| Number of pins | | 3 | | | |
| References | | | | | |
| PUR cable (see page 10) | L = 2 m | XZCP0166L2 | XZCP0266L2 | XZCP0366L2 | XZCP0466L2 |
| | L = 5 m | XZCP0166L5 | XZCP0266L5 | XZCP0366L5 | XZCP0466L5 |
| | L = 10 m | XZCP0166L10 | XZCP0266L10 | XZCP0366L10 | XZCP0466L10 |
| Weight (kg) | | 0.050 (L = 2 m), 0.110 (L = 5 m), 0.215 (L = 10 m) | | | |

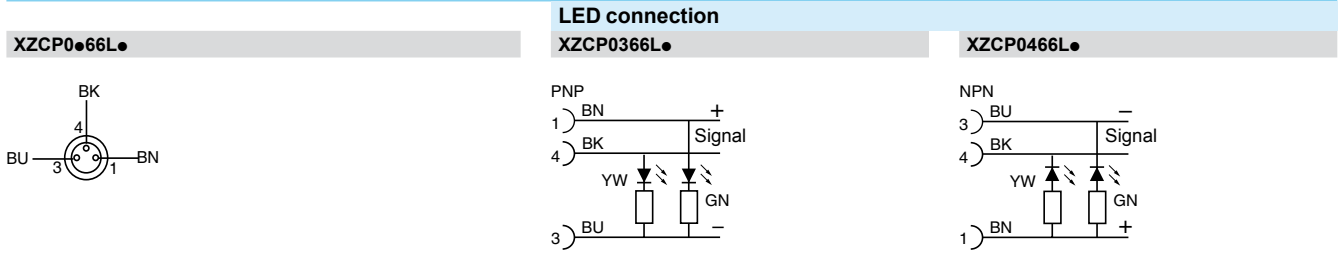
| | | | | | |
|--------------------------------|---------------|---|--|---|------------|
| Characteristics | | | | | |
| Certifications | | UL | | UL | |
| Connection type | | Clip (1) | | Clip (1) | |
| Cable material | | PUR sheath PP conductor insulation | | PUR sheath PP conductor insulation | |
| Degree of protection | | IP 65, IP 67, IP 69K | | IP 65, IP 67, IP 69K | |
| Ambient air temperature | Static cable | - 40...+ 80°C | | - 40...+ 80°C | |
| | Flexing cable | - 5...+ 80°C | | - 5...+ 80°C | |
| Cabling | | Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² | | Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² | |
| LED indicators | | - | | 2 PNP LEDs | 2 NPN LEDs |
| Nominal voltage | | ~ 60 V, ~ 75 V | | ~ 10...30 V | |
| Nominal current | | 4 A | | 4 A | |
| Insulation resistance | | > 10 ⁹ Ω | | > 10 ⁹ Ω | |
| Contact resistance | | ≤ 5 m Ω | | ≤ 5 m Ω | |

Dimensions

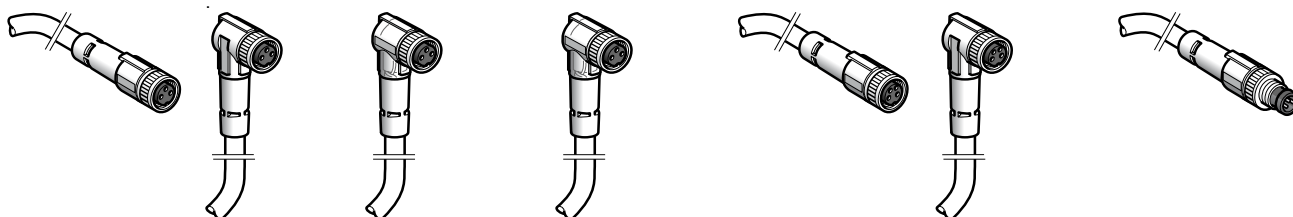


(1) 2 LEDs limited to ~ 10...30 V max.
L = 2, 5 or 10 m

Connections



(1) Clip together connectors, without clamping ring.



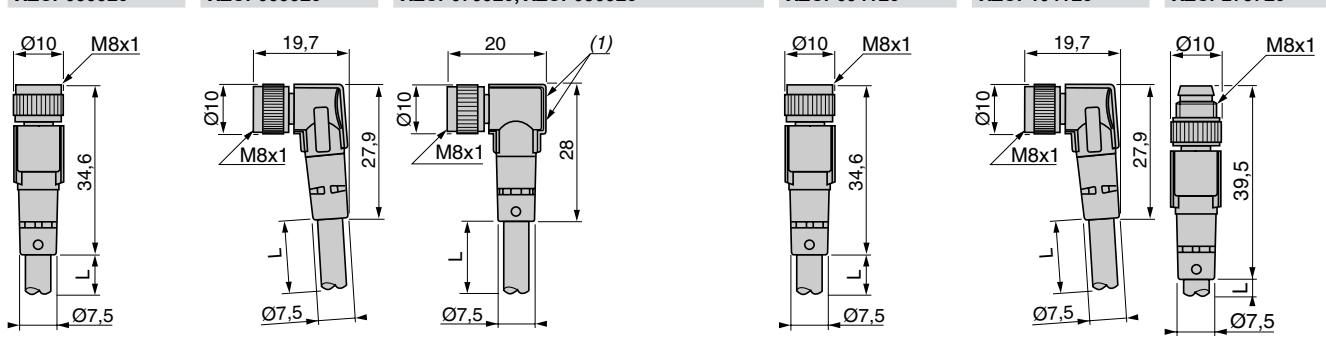
| | | | | | | |
|----------------------|---------------------|----------------------------------|----------------------------------|----------------------|---------------------|--------------------|
| Female, M8, straight | Female, M8, elbowed | Female, M8, elbowed with PNP LED | Female, M8, elbowed with NPN LED | Female, M8, straight | Female, M8, elbowed | Male, M8, straight |
| 3 | | | | 4 | | 3 |

| | | | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| XZCP0566L2 | XZCP0666L2 | XZCP0766L2 | XZCP0866L2 | XZCP0941L2 | XZCP1041L2 | XZCP2737L05 |
| XZCP0566L5 | XZCP0666L5 | XZCP0766L5 | XZCP0866L5 | XZCP0941L5 | XZCP1041L5 | XZCP2737L1 |
| XZCP0566L10 | XZCP0666L10 | XZCP0766L10 | XZCP0866L10 | XZCP0941L10 | XZCP1041L10 | XZCP2737L2 |

| | | | | | | |
|--|--|--|--|--|--|---|
| 0.060 (L = 2 m), 0.120 (L = 5 m), 0.225 (L = 10 m) | | | | 0.080 (L = 2 m), 0.180 (L = 5 m), 0.360 (L = 10 m) | | 0.030 (L = 0,5 m), 0.050 (L = 1 m), 0.080 (L = 2 m) |
|--|--|--|--|--|--|---|

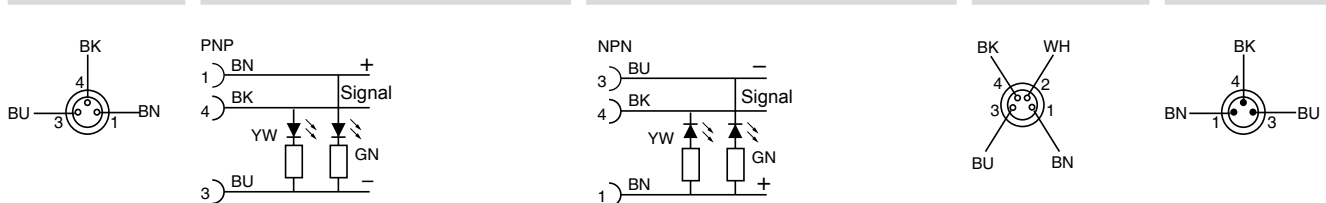
| | | | |
|---|---|---|---|
| UL | UL | UL | UL |
| Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) | Screw threaded and clip (metal clamping ring) |
| PUR sheath PP conductor insulation | PUR sheath PP conductor insulation | PUR sheath PP conductor insulation | PUR sheath, PP conductor insulation |
| IP 65, IP 67, IP 69K | IP 65, IP 67, IP 69K | IP 65, IP 67, IP 69K | IP 65, IP 67, IP 69K |
| - 40...+ 80°C | - 40...+ 80°C | - 40...+ 80°C | - 40...+ 80°C |
| - 5...+ 80°C | - 5...+ 80°C | - 5...+ 80°C | - 5...+ 80°C |
| Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² | Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² | Ø 4.7 mm cable, conductor c.s.a.: 4 x 0.34 mm ² | Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² |
| - | 2 PNP LEDs | 2 NPN LEDs | - |
| ~ 60 V, ~ 75 V | ~ 10...30 V | ~ 60 V, ~ 75 V | ~ 60 V, ~ 75 V |
| 4 A | 4 A | 4 A | 4 A |
| > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω |
| ≤ 5 m Ω | ≤ 5 m Ω | ≤ 5 m Ω | ≤ 5 m Ω |

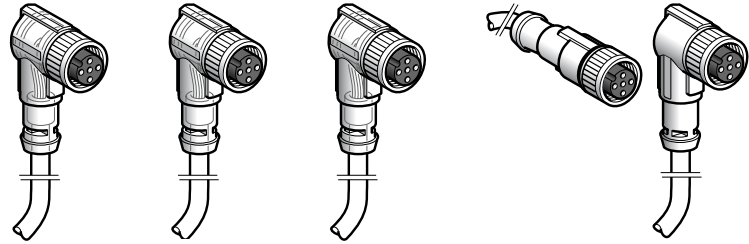
| | | | | | |
|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|
| XZCP0566L● | XZCP0666L● | XZCP0766L●, XZCP0866L● | XZCP0941L● | XZCP1041L● | XZCP2737L● |
|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|



L = 2, 5 or 10 m L = 0.5, 1 or 2 m

| | | | | |
|-----------------------|-------------------|-------------------|-------------------|-------------------|
| LED connection | | | | |
| XZCP0●66L● | XZCP0766L● | XZCP0866L● | XZCP●●41L● | XZCP2737L● |





| | | | | | |
|----------------|-------------------------------|-------------------------------|-------------------------------|-----------------------|----------------------|
| Connector type | Female, M12, elbowed with LED | Female, M12, elbowed with LED | Female, M12, elbowed with LED | Female, M12, straight | Female, M12, elbowed |
| Number of pins | 3 | | | 4 | |

References

| | | | | | | |
|----------------------------|--|-------------|-------------|--|-------------|-------------|
| PUR cable (see page 10) | L = 0.5 m | - | | | | |
| | L = 1 m | - | | | | |
| | L = 2 m | XZCP2540L2 | XZCP1340L2 | XZCP1440L2 | XZCP1141L2 | XZCP1241L2 |
| | L = 5 m | XZCP2540L5 | XZCP1340L5 | XZCP1440L5 | XZCP1141L5 | XZCP1241L5 |
| | L = 10 m | XZCP2540L10 | XZCP1340L10 | XZCP1440L10 | XZCP1141L10 | XZCP1241L10 |
| | L = 15 m | - | - | - | XZCP1141L15 | XZCP1241L15 |
| | L = 20 m | - | - | - | XZCP1141L20 | XZCP1241L20 |
| Weight (kg) | 0.080 (L = 2 m), 0.180 (L = 5 m), 0.350 (L = 10 m) | | | 0.090 (L = 2 m), 0.190 (L = 5 m), 0.370 (L = 10 m), 0.500 (L = 15 m), 0.750 (L = 20 m) | | |

Characteristics

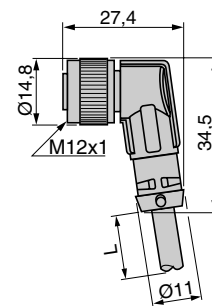
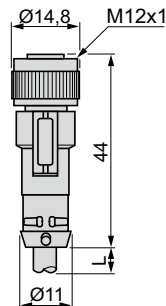
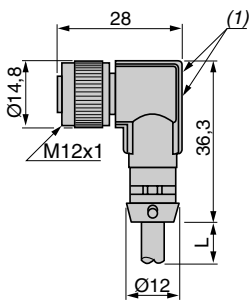
| | | | | | |
|-------------------------|--|--------------------------------------|------------|--|--|
| Certifications | UL | | | UL | |
| Connection type | Screw threaded (stainless steel clamping ring) | Screw threaded (metal clamping ring) | | Screw threaded (metal clamping ring) | |
| Cable material | PUR sheath, PP conductor insulation | | | PUR sheath, PP conductor insulation | |
| Degree of protection | IP 65, IP 67, IP 69K | | | IP 65, IP 67, IP 69K | |
| Ambient air temperature | Static cable | - 40...+ 80°C | | - 40...+ 80°C | |
| | Flexing cable | - 5...+ 80°C | | - 5...+ 80°C | |
| Cabling | Ø 4.4 mm cable, conductor c.s.a.: 3 x 0.34 mm ² | | | Ø 4.7 mm cable, conductor c.s.a.: 4 x 0.34 mm ² | |
| LED indicators | 2 PNP LEDs | 2 PNP LEDs | 2 NPN LEDs | - | |
| Nominal voltage | ~ 10...30 V | | | ~ 250 V, ~ 300 V | |
| Nominal current | 4 A | | | 4 A | |
| Insulation resistance | > 10 ⁹ Ω | | | > 10 ⁹ Ω | |
| Contact resistance | ≤ 5 m Ω | | | ≤ 5 m Ω | |

Dimensions

XZCP2540L●, XZCP1340L●, XZCP1440L●

XZCP1141L●

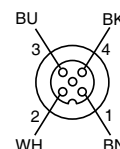
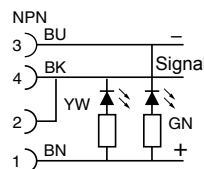
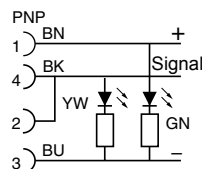
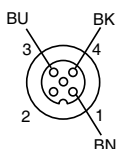
XZCP1241L●

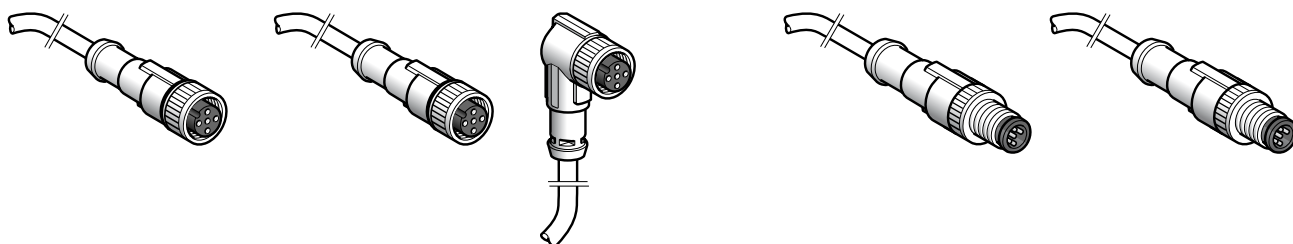


(1) 2 LEDs limited to ~ 10...30 V max.
L = 2, 5 or 10 m

Connections

| | | | |
|------------------------|--|------------|------------|
| XZCP2540L●, XZCP1●40L● | LED connection XZCP2540L●, XZCP1340L● | XZCP1440L● | XZCP1●41L● |
|------------------------|--|------------|------------|

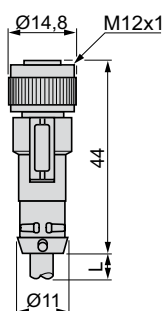




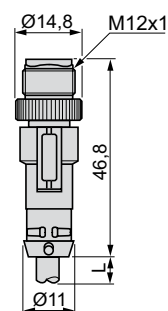
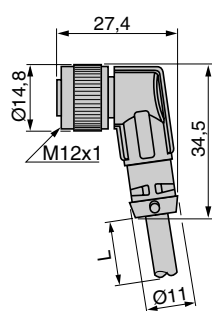
| | | | | |
|--|--|----------------------|---|---|
| Female, M12, straight | Female, M12, straight | Female, M12, elbowed | Male, M12, straight | Male, M12, straight |
| 4 | 5 | 5 | 4 | 5 |
| - | - | - | XZCP1541L05 | XZCP1564L05 |
| - | - | - | XZCP1541L1 | XZCP1564L1 |
| XZCP1169L2 | XZCP1164L2 | XZCP1264L2 | XZCP1541L2 | XZCP1564L2 |
| XZCP1169L5 | XZCP1164L5 | XZCP1264L5 | - | - |
| XZCP1169L10 | XZCP1164L10 | XZCP1264L10 | - | - |
| - | - | - | - | - |
| - | - | - | - | - |
| 0.105 (L = 2 m), 0.260 (L = 5 m), 0.500 (L = 10 m) | 0.115 (L = 2 m), 0.270 (L = 5 m), 0.520 (L = 10 m) | - | 0.030 (L = 0.5 m), 0.050 (L = 1 m), 0.085 (L = 2 m) | 0.040 (L = 0.5 m), 0.065 (L = 1 m), 0.115 (L = 2 m) |

| | | | |
|---|---|---|---|
| UL | | UL | |
| Screw threaded (metal clamping ring) | | Screw threaded (metal clamping ring) | |
| PUR sheath, PP conductor insulation | | PUR sheath, PP conductor insulation | |
| IP 65, IP 67, IP 69K | | IP 65, IP 67, IP 69K | |
| -40...+80°C | | -40...+80°C | |
| -5...+80°C | | -5...+80°C | |
| Ø 4.7 mm cable, conductor c.s.a.: 4 x 0.34 mm ² | Ø 5.0 mm cable, conductor c.s.a.: 5 x 0.34 mm ² | Ø 4.7 mm cable, conductor c.s.a.: 4 x 0.34 mm ² | Ø 5.0 mm cable, conductor c.s.a.: 4 x 0.34 mm ² + 1 x 0.5 mm ² |
| - | - | - | - |
| ~ 250 V, ~ 300 V | ~ 30 V, ~ 36 V | ~ 250 V, ~ 300 V | ~ 30 V, ~ 36 V |
| 4 A | 4 A | 4 A | 4 A |
| > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω |
| ≤ 5 m Ω | ≤ 5 m Ω | ≤ 5 m Ω | ≤ 5 m Ω |

XZCP1169L, XZCP1164L **XZCP1264L** **XZCP1541L, XZCP1564L**

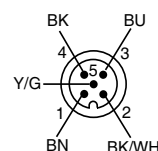
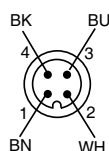
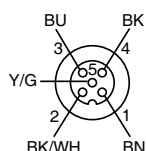
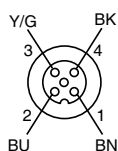


L = 2, 5 or 10 m



L = 0.5, 1 or 2 m

XZCP1169L **XZCP1164L** **XZCP1541L** **XZCP1564L**

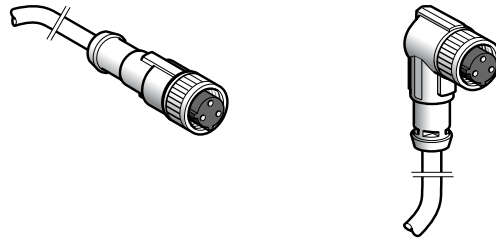


Machine cabling accessories

OsiSense XZ

Pre-wired connectors, 1/2"-20UNF and 7/8"-16UN

PUR cable



| | | |
|-----------------------|------------------------------|-----------------------------|
| Connector type | Female, 1/2"-20UNF, straight | Female, 1/2"-20UNF, elbowed |
| Number of pins | 3 | |

References

| | | | |
|-----------------------------------|----------|--------------------|--------------------|
| PUR cable (see page 10) | L = 2 m | XZCP1865L2 | XZCP1965L2 |
| | L = 5 m | XZCP1865L5 | XZCP1965L5 |
| | L = 10 m | XZCP1865L10 | XZCP1965L10 |

| | |
|--------------------|--|
| Weight (kg) | 0.080 (L = 2 m), 0.180 (L = 5 m), 0.350 (L = 10 m) |
|--------------------|--|

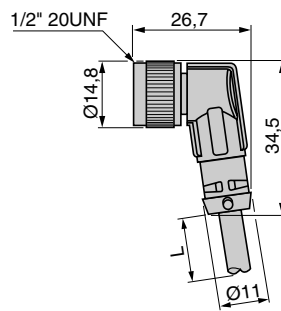
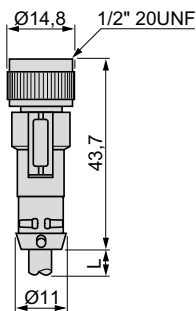
Characteristics

| | |
|--------------------------------|--|
| Certifications | UL |
| Connection type | Screw threaded (metal clamping ring) |
| Cable material | PUR/PVC sheath, PVC conductor insulation |
| Degree of protection | IP 67 (with connector correctly tightened) |
| Ambient air temperature | - 35...+ 80°C |
| Cabling | Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm ² |
| LED indicators | – |
| Nominal voltage | ~ 250 V, ~ 300 V |
| Nominal current | 4 A |
| Insulation resistance | > 10 ⁹ Ω |
| Contact resistance | ≤ 5 m Ω |

Dimensions

XZCP1865L●

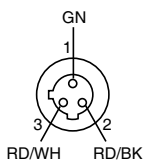
XZCP1965L●

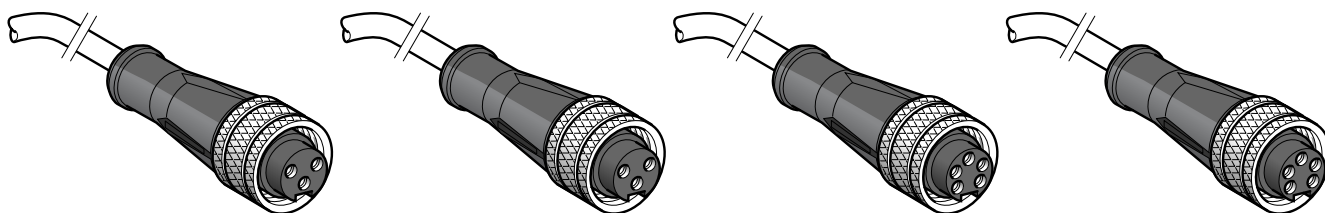


L = 2, 5 or 10 m

Connections

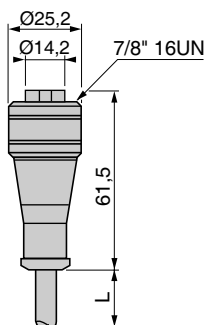
XZCP1●65L●





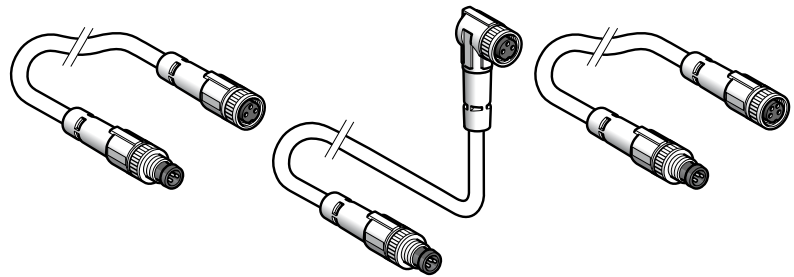
| | | | |
|--|--|--|---|
| Female, 7/8"-16UN, straight 3 | Female, 7/8"-16UN, straight | Female, 7/8"-16UN, straight 5 | Female, 7/8"-16UN, straight |
| XZCP1662L2 | XZCP1670L2 | XZCP1764L2 | XZCP1774L2 |
| XZCP1662L5 | XZCP1670L5 | XZCP1764L5 | XZCP1774L5 |
| - | XZCP1670L10 | XZCP1764L10 | XZCP1774L10 |
| 0.180 (L = 2 m), 0.420 (L = 5 m) | 0.180 (L = 2 m), 0.420 (L = 5 m), 0.820 (L = 10 m) | 0.185 (L = 2 m), 0.460 (L = 5 m), 0.900 (L = 10 m) | 0.240 (L = 2 m), 0.450 (L = 5 m), 0.800 (L = 10 m) |
| Screw threaded (metal clamping ring) | | Screw threaded (metal clamping ring) | |
| PUR/PVC sheath, PVC conductor insulation | | PUR/PVC sheath, PVC conductor insulation | PUR sheath, PP conductor insulation |
| IP 67 (with connector correctly tightened) | | IP 67 (with connector correctly tightened) | |
| - 35...+ 80°C | | - 35...+ 80°C | |
| Ø 5 mm cable, conductor c.s.a.: 3 x 0.5 mm ² | | Ø 5 mm cable, conductor c.s.a.: 3 x 0.5 mm ² | Ø 5 mm cable, conductor c.s.a.: 5 x 0.34 mm ² |
| - | | - | |
| ~ 250 V | | ~ 250 V | ~ 250 V/∓ 300 V |
| 6 A | | 6 A | 4 A |
| > 10 ⁹ Ω | | > 10 ⁹ Ω | > 10 ⁹ Ω |
| ≤ 5 m Ω | | ≤ 5 m Ω | ≤ 5 m Ω |

XZCP1662L●, XZCP1670L●, XZCP1764L●, XZCP1774L●



L = 2, 5 or 10 m

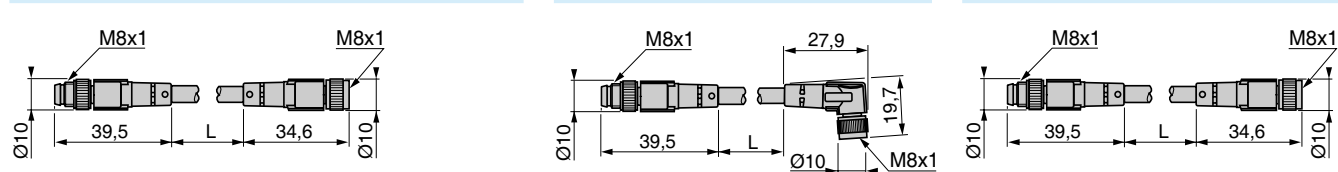
| | | | |
|-------------------|-------------------|-------------------|-------------------|
| XZCP1662L● | XZCP1670L● | XZCP1764L● | XZCP1774L● |
| | | | |



| | | | | |
|-----------------------------------|---------------------|----------------------|----------------------|----------------------|
| Male connector type | M8, 3-pin, straight | | | |
| Female connector type | M8, 3-pin, straight | M8, 3-pin, elbowed | M8, 4-pin, straight | |
| Number of conductors | 3 | 3 | 3 | |
| References | | | | |
| PUR cable (see page 10) | L = 1 m | XZCR2705037R1 | XZCR2706037R1 | XZCR2709037S1 |
| | L = 2 m | XZCR2705037R2 | XZCR2706037R2 | XZCR2709037S2 |
| Weight (kg) | L = 1 m | 0.060 | | |
| | L = 2 m | 0.090 | | |

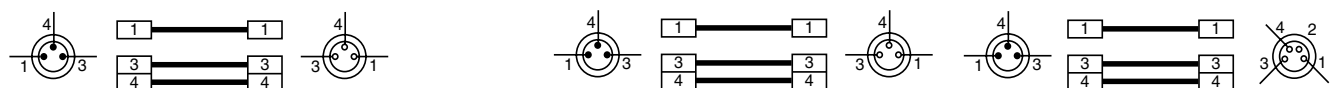
| | | |
|--------------------------------|---|---------------|
| Characteristics | | |
| Certifications | UL | |
| Connection type | Male: screw threaded and clip. Female: screw threaded. Metal clamping ring. | |
| Cable material | PUR sheath, PP conductor insulation | |
| Degree of protection | IP 65, IP 67, IP 69K | |
| Ambient air temperature | Static cable | - 40...+ 80°C |
| | Flexing cable | - 5...+ 80°C |
| Conductor c.s.a. | 3 x 0.34 mm ² | |
| Cable diameter | 4.4 mm | |
| Nominal voltage | ~ 60 V, ≐ 45 V | |
| Nominal current | 4 A | |
| Insulation resistance | > 10 ⁹ Ω | |
| Contact resistance | ≤ 5 m Ω | |

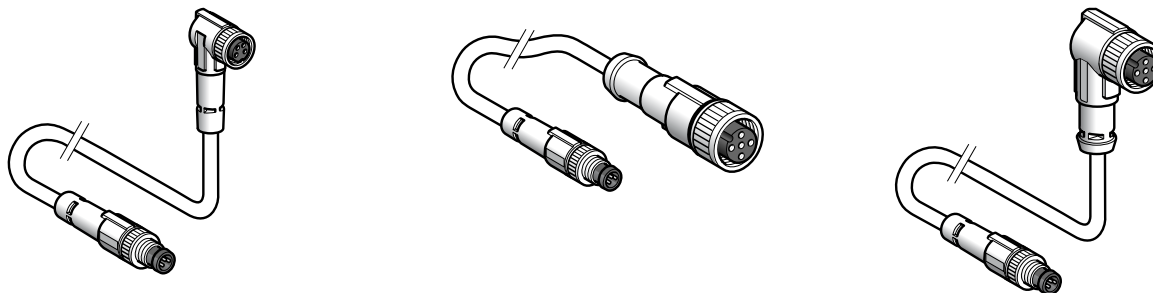
Dimensions



L = 1 or 2 m

Connections





M8, 3-pin, straight

M8, 4-pin, elbowed

M12, 5-pin, straight

M12, 5-pin, elbowed

3

3

3

XZCR2710037S1

XZCR2711037T1

XZCR2712037T1

XZCR2710037S2

XZCR2711037T2

XZCR2712037T2

0.060

0.065

0.065

0.090

0.093

0.093

UL

Male: screw threaded and clip. Female: screw threaded. Metal clamping ring

PUR sheath, PP conductor insulation

IP 65, IP 67, IP 69K

-40...+80°C

-5...+80°C

3 x 0.34 mm²

4.4 mm

~ 60 V, ~ 45 V

4 A

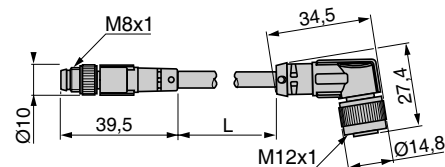
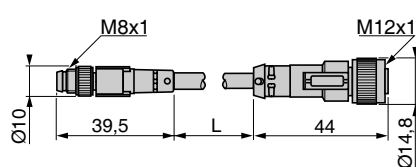
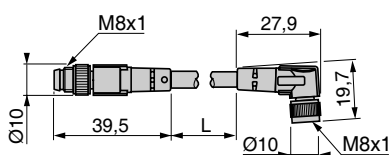
> 10⁹ Ω

≤ 5 m Ω

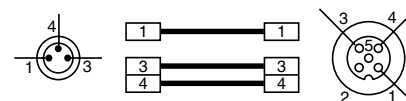
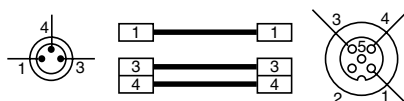
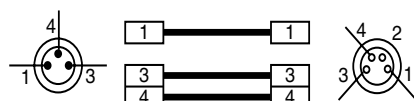
XZCR2710037S●

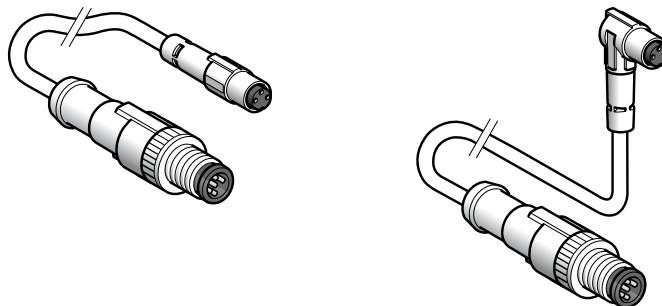
XZCR2711037T●

XZCR2712037T●



L = 1 or 2 m





| | | Clip | |
|-----------------------|--|-------------------------|------------------------|
| Male connector type | | M12, 3-pin, straight | |
| Female connector type | | Ø 8 mm, 3-pin, straight | Ø 8 mm, 3-pin, elbowed |
| Number of conductors | | 3 | |

References

| | | | |
|----------------------------|---------|----------------------|----------------------|
| PUR cable (see page 10) | L = 1 m | XZCR1501040G1 | XZCR1502040G1 |
| | L = 2 m | XZCR1501040G2 | XZCR1502040G2 |

Weight (kg) 0.050 (L = 1 m), 0.080 (L = 2 m)

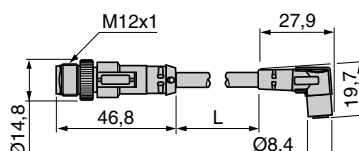
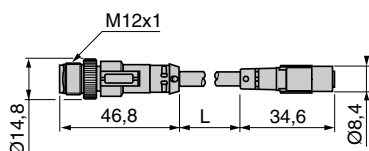
Characteristics

| | | | |
|-------------------------|---|---------------|--|
| Certifications | UL | | |
| Connection type | Male: screw threaded. Female: clip (1) | | |
| Cable material | PUR sheath, PP conductor insulation | | |
| Degree of protection | IP 67 (when correctly clipped together or with clamping ring correctly tightened) | | |
| Ambient air temperature | Static cable | - 40...+ 80°C | |
| | Flexing cable | - 5...+ 80°C | |
| Conductor c.s.a. | 3 x 0.34 mm ² | | |
| Cable diameter | 4.4 mm | | |
| Nominal voltage | ~ 60 V, --- 75 V | | |
| Nominal current | 4 A | | |
| Insulation resistance | > 10 ⁹ Ω | | |
| Contact resistance | ≤ 5 m Ω | | |

Dimensions

XZCR1501040G●

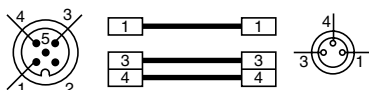
XZCR1502040G●



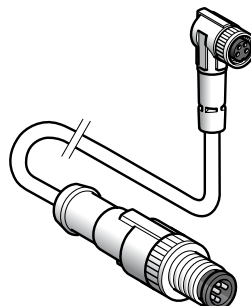
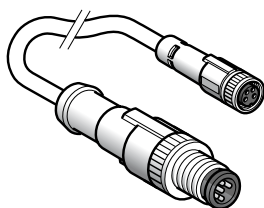
L = 1 or 2 m

Connections

XZCR1501040G●, XZCR1502040G●



(1) Clip together connector, without clamping ring.



Screw threaded

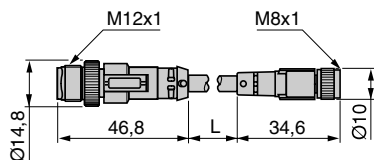
| | |
|----------------------|----------------------|
| M12, 3-pin, straight | M12, 4-pin, straight |
| M8, 3-pin, straight | M8, 3-pin, elbowed |
| M8, 4-pin, straight | M8, 4-pin, elbowed |
| 3 | 4 |

| | | | |
|----------------------------------|----------------------|----------------------------------|----------------------|
| XZCR1509040H1 | XZCR1510040H1 | XZCR1509041J1 | XZCR1510041J1 |
| XZCR1509040H2 | XZCR1510040H2 | XZCR1509041J2 | XZCR1510041J2 |
| 0.050 (L = 1 m), 0.080 (L = 2 m) | | 0.055 (L = 1 m), 0.090 (L = 2 m) | |

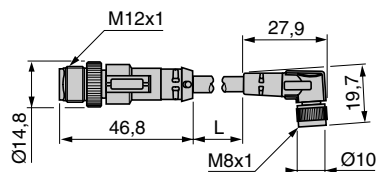
UL

| | |
|-------------------------------------|--------------------------|
| Male and female: screw threaded | |
| PUR sheath, PP conductor insulation | |
| IP 65, IP 67, IP 69K | |
| - 40...+ 80°C | |
| - 5...+ 80°C | |
| 3 x 0.34 mm ² | 4 x 0.34 mm ² |
| 4.4 mm | |
| ~ 60 V, ~ 75 V | |
| 4 A | |
| > 10 ⁹ Ω | |
| ≤ 5 m Ω | |

XZCR1509040H●, XZCR1509041J●

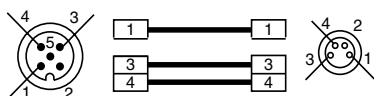


XZCR1510040H●, XZCR1510041J●

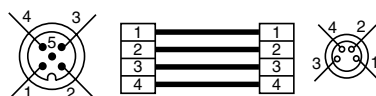


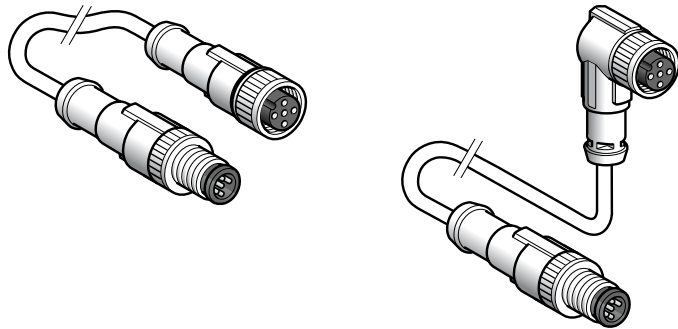
L = 1 or 2 m

XZCR1509040H●, XZCR1510040H●



XZCR1509041J●, XZCR1510041J●

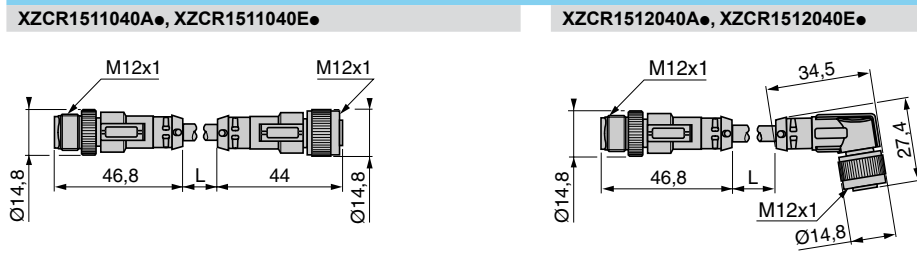




| | | | | | |
|------------------------------|----------------------------------|---------------------|----------------------|---------------------|---------------|
| Male connector type | M12, 3-pin, straight | | | | |
| Female connector type | M12, 3-pin, straight | M12, 3-pin, elbowed | M12, 3-pin, straight | M12, 3-pin, elbowed | |
| Number of conductors | 3 | | | | |
| References | | | | | |
| | L = 1 m | XZCR1511040A1 | XZCR1512040A1 | XZCR1511040E1 | XZCR1512040E1 |
| | L = 2 m | XZCR1511040A2 | XZCR1512040A2 | XZCR1511040E2 | XZCR1512040E2 |
| Weight (kg) | 0.065 (L = 1 m), 0.095 (L = 2 m) | | | | |

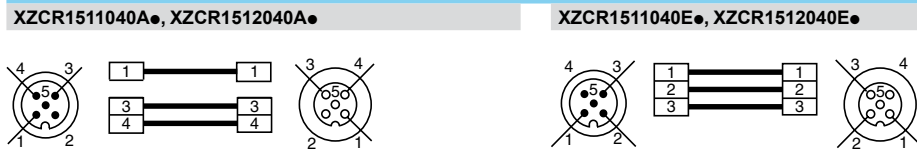
| | |
|--------------------------------|--|
| Characteristics | |
| Certifications | UL |
| Connection type | Male and female: screw threaded |
| Cable material | PUR sheath, PP conductor insulation |
| Degree of protection | IP 65, IP 67, IP 69K |
| Ambient air temperature | Static cable: -40...+80°C Flexing cable: -5...+80°C |
| Conductor c.s.a. | 3 x 0.34 mm ² |
| Cable diameter | 4.4 mm |
| Nominal voltage | ~ 250 V, ~ 300 V |
| Nominal current | 4 A |
| Insulation resistance | > 10 ⁹ Ω |
| Contact resistance | ≤ 5 m Ω |

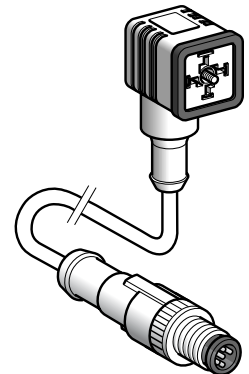
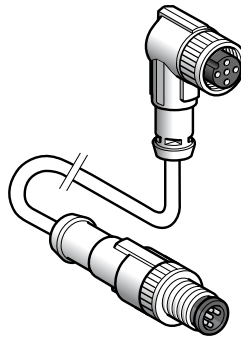
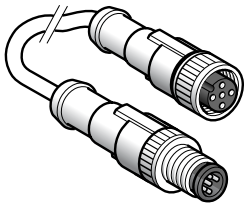
Dimensions



L = 1 or 2 m

Connections





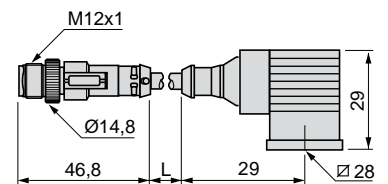
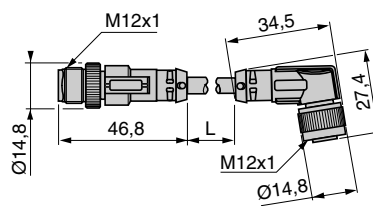
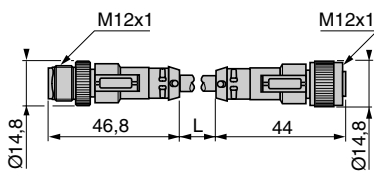
| | | | | | |
|----------------------|----------------------|---------------------|----------------------|---------------------|------------------------------|
| M12, 3-pin, straight | M12, 3-pin, straight | M12, 3-pin, elbowed | M12, 3-pin, straight | M12, 3-pin, elbowed | EN 175301-803-A, elbowed (1) |
|----------------------|----------------------|---------------------|----------------------|---------------------|------------------------------|

3

| | | | | |
|----------------------------------|----------------------|----------------------|----------------------|-------------------------------------|
| XZCR1511062B1 | XZCR1512062B1 | XZCR1511062F1 | XZCR1512062F1 | XZCR1523062K1 |
| XZCR1511062B2 | XZCR1512062B2 | XZCR1511062F2 | XZCR1512062F2 | XZCR1523062K2 |
| 0.065 (L = 1 m), 0.095 (L = 2 m) | | | | 0.110 (L = 1 m), 0.140 (L = 2 m) |

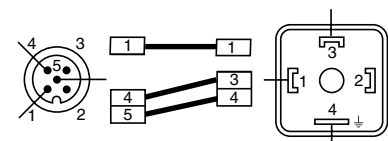
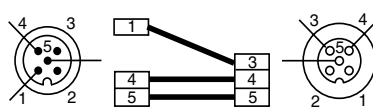
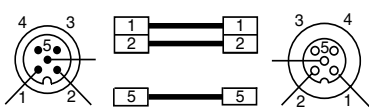
| | |
|--|--------------------------|
| UL | - |
| Male and female: screw threaded | |
| PUR/PVC sheath, PVC conductor insulation | |
| IP 67 (with clamping ring correctly tightened) | |
| - 35...+ 90°C | |
| - 5...+ 90°C | |
| 3 x 0.5 mm ² | 3 x 0.50 mm ² |
| 5.2 mm | 4.5 mm |
| ~ 30 V, ~ 36 V | |
| 4 A | |
| > 10 ⁹ Ω | |
| ≤ 5 m Ω | |

XZCR1511062B●, XZCR1511062F● **XZCR1512062B●, XZCR1512062F●** **XZCR1523062K●**



L = 1 or 2 m

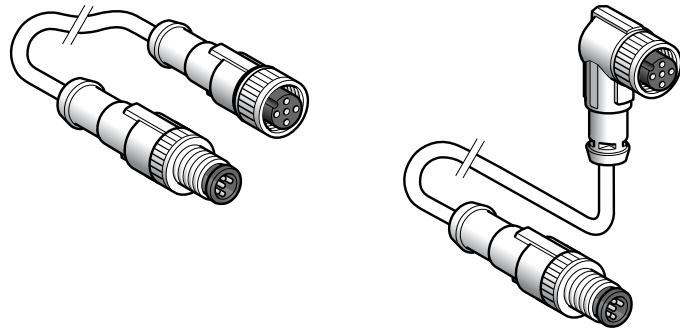
XZCR1511062B●, XZCR1512062B● **XZCR1511062F●, XZCR1512062F●** **XZCR1523062K●**



(1) EN 175301-803-A: ex DIN 43650 A.

Machine cabling accessories

OsiSense XZ
Jumper cables, M12-M12
PUR cable



| | | |
|-----------------------|----------------------|---------------------|
| Male connector type | M12, 4-pin, straight | |
| Female connector type | M12, 4-pin, straight | M12, 4-pin, elbowed |
| Number of conductors | 4 | |

References

| | | | |
|----------------------------|----------------------------------|----------------------|----------------------|
| PUR cable (see page 10) | L = 1 m | XZCR1511041C1 | XZCR1512041C1 |
| | L = 2 m | XZCR1511041C2 | XZCR1512041C2 |
| Weight (kg) | 0.065 (L = 1 m), 0.095 (L = 2 m) | | |

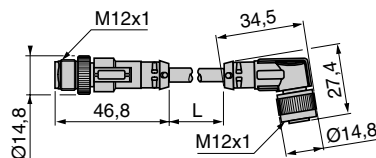
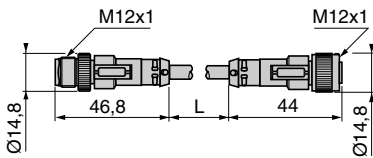
Characteristics

| | | | |
|-------------------------|-------------------------------------|---------------|--|
| Certifications | UL | | |
| Cable material | PUR sheath, PP conductor insulation | | |
| Connection type | Male and female: screw threaded | | |
| Degree of protection | IP 65, IP 67, IP 69K | | |
| Ambient air temperature | Static cable | - 40...+ 80°C | |
| | Flexing cable | - 5...+ 80°C | |
| Conductor c.s.a. | 4 x 0.34 mm ² | | |
| Cable diameter | 4.7 mm | | |
| Nominal voltage | ~ 250 V, ~ 300 V | | |
| Nominal current | 4 A | | |
| Insulation resistance | > 10 ⁹ Ω | | |
| Contact resistance | ≤ 5 m Ω | | |

Dimensions

XZCR1511041C●

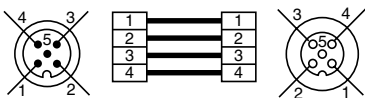
XZCR1512041C●

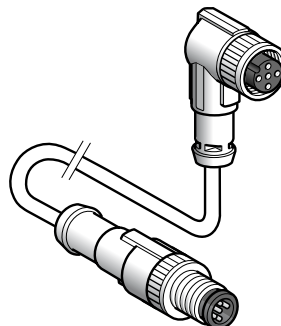
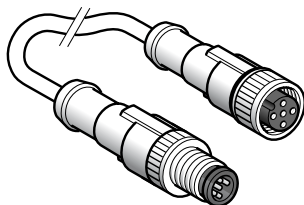


L = 1 or 2 m

Connections

XZCR1511041C●, XZCR1512041C●





M12, 5-pin, straight

M12, 5-pin, straight

M12, 5-pin, elbowed

5

XZCR1511064D1

XZCR1512064D1

XZCR1511064D2

XZCR1512064D2

0.080 (L = 1 m), 0.130 (L = 2 m)

UL

Male and female: screw threaded

PUR sheath, PP conductor insulation

IP 65, IP 67, IP 69K

- 40... + 80°C

- 5... + 80°C

4 x 0,34 mm² + 1 x 0,5 mm²

5,0 mm

~ 30 V, --- 36 V

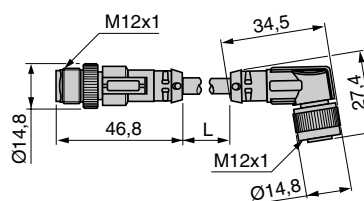
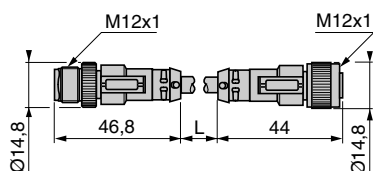
4 A

> 10⁹ Ω

≤ 5 m Ω

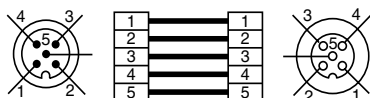
XZCR1511064D●

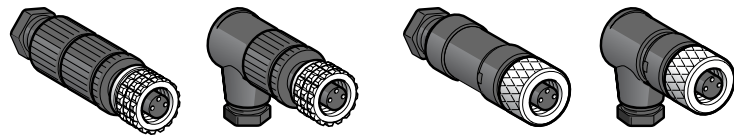
XZCR1512064D●



L = 1 or 2 m

XZCR1511064D●, XZCR1512064D●





| | | | | |
|------------------|--|---------------------|----------------------|---------------------|
| Connector type | Female, M8, straight | Female, M8, elbowed | Female, M8, straight | Female, M8, elbowed |
| Number of pins | 3 | | | |
| Cable connection | By axial IDC (Insulation Displacement Connector) | | To solder terminals | |

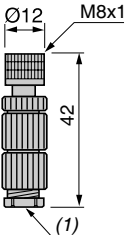
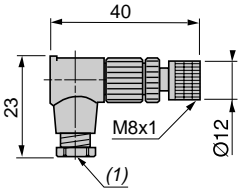
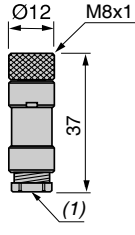
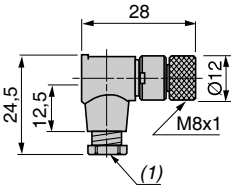
References

| | | | | | |
|--------------|-----------------------|--------------------|--------------------|--------------------|--------------------|
| Plastic body | Metal clamping ring | XZCC8FDM30V | XZCC8FCM30V | XZCC8FDM30S | XZCC8FCM30S |
| | Plastic clamping ring | - | | | |
| Weight (kg) | 0.010 | | | | |

Characteristics

| | | |
|-------------------------|--|--|
| Connection type | Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) |
| Degree of protection | IP 67 (with connector correctly tightened) | IP 67 (with connector correctly tightened) |
| Ambient air temperature | - 25...+ 70°C | - 40...+ 85°C |
| Cabling | By IDC. Conductor diameter: 1...1.55 mm Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm | To solder terminals. Maximum conductor c.s.a.: 0.25 mm ² Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm |
| LED indicators | - | - |
| Nominal voltage | ~ 60 V, --- 75 V | ~ 60 V, --- 75 V |
| Nominal current | 4 A | 4 A |
| Insulation resistance | > 10 ⁹ Ω | > 10 ⁹ Ω |
| Contact resistance | ≤ 10 mΩ | ≤ 5 mΩ |

Dimensions

| XZCC8FDM30V | XZCC8FCM30V | XZCC8FDM30S | XZCC8FCM30S |
|---|---|---|---|
|  |  |  |  |

(1) Cable gland: M9.5 x 1

Connections

XZCC8FDM30●, XZCC8FCM30●



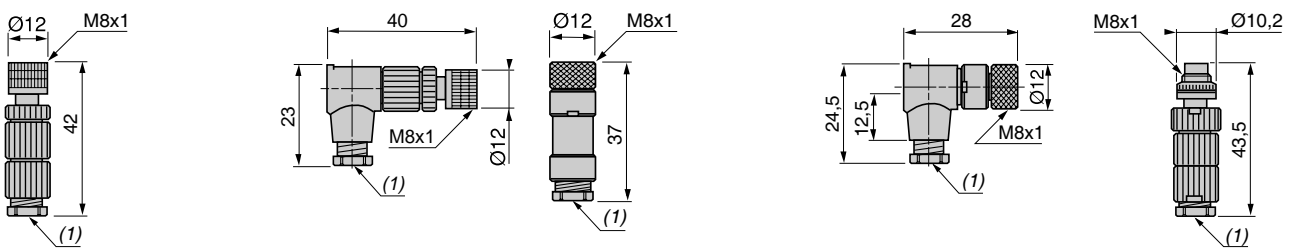


| | | | | |
|--|---------------------|----------------------|---------------------|--------------------|
| Female, M8, straight | Female, M8, elbowed | Female, M8, straight | Female, M8, elbowed | Male, M8, straight |
| 4 | | | | 3 |
| By axial IDC (Insulation Displacement Connector) | | To solder terminals | | |

| | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| XZCC8FDM40V | XZCC8FCM40V | XZCC8FDM40S | XZCC8FCM40S | XZCC8MDM30V |
|--------------------|--------------------|--------------------|--------------------|--------------------|

| | | | | |
|--|--|--|--|---|
| - | - | - | - | - |
| 0.010 | | | | |
| Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) | Screw threaded (metal clamping ring) |
| IP 67 (with connector correctly tightened) | IP 67 (with connector correctly tightened) | IP 67 (with connector correctly tightened) | IP 67 (with connector correctly tightened) | IP 67 (with connector correctly tightened) |
| - 25...+ 70°C | - 40...+ 85°C | - 40...+ 85°C | - 40...+ 85°C | - 40...+ 85°C |
| By IDC. Conductor diameter: 1...1.55 mm Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm | To solder terminals. Maximum conductor c.s.a.: 0.25 mm ² Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm | To solder terminals. Maximum conductor c.s.a.: 0.25 mm ² Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm | To solder terminals. Maximum conductor c.s.a.: 0.25 mm ² Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm | By IDC. Maximum conductor c.s.a.: 0.25 mm ² Cable gland: M9.5 x 1 Maximum clamping capacity: 5 mm |
| - | - | - | - | - |
| ~ 60 V, --- 75 V | ~ 60 V, --- 75 V | ~ 60 V, --- 75 V | ~ 60 V, --- 75 V | ~ 60 V, --- 75 V |
| 4 A | 4 A | 4 A | 4 A | 4 A |
| > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω | > 10 ⁹ Ω |
| ≤ 10 mΩ | ≤ 5 mΩ | ≤ 5 mΩ | ≤ 5 mΩ | ≤ 5 mΩ |

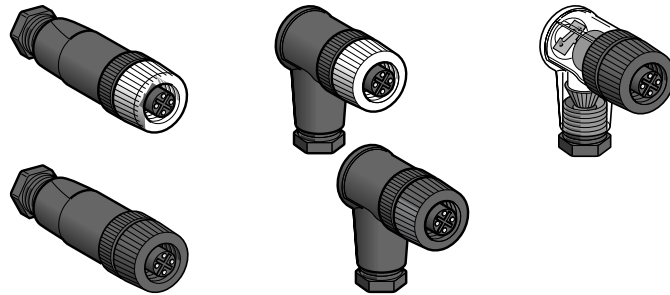
| | | | | |
|--------------------|--------------------|--------------------|--------------------|--------------------|
| XZCC8FDM40V | XZCC8FCM40V | XZCC8FDM40S | XZCC8FCM40S | XZCC8MDM30V |
|--------------------|--------------------|--------------------|--------------------|--------------------|



(1) Cable gland: M9.5 x 1

| | |
|---------------------------------|--------------------|
| XZCC8FDM40●, XZCC8FCM40● | XZCC8MDM30V |
|---------------------------------|--------------------|





| | | | |
|------------------|-----------------------|----------------------|----------------------|
| Connector type | Female, M12, straight | Female, M12, elbowed | Female, M12, elbowed |
| Number of pins | 4 | | |
| Cable connection | To screw terminals | | |

References

| | | | | |
|--------------|-----------------------|---------------------|---------------------|---------------------|
| Plastic body | Metal clamping ring | XZCC12FDM40B | XZCC12FCM40B | - |
| | Plastic clamping ring | XZCC12FDP40B | XZCC12FCP40B | XZCC12FCP42B |
| Weight (kg) | 0.020 | | | |

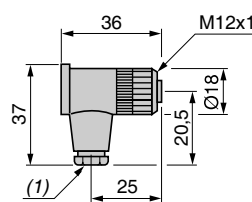
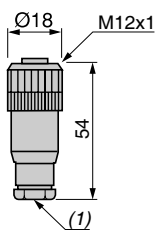
Characteristics

| | | | |
|-------------------------|--|----------------------|--|
| Connection type | Screw threaded (plastic or metal clamping ring, depending on model) | | |
| Degree of protection | IP 67 (with connector correctly tightened) | | |
| Ambient air temperature | - 40...+ 85°C | | |
| Cabling | To screw terminals. Maximum conductor c.s.a.: 0.75 mm ² Cable gland: no. 7 plastic (Pg 7) Clamping capacity: 3 to 6 mm | | |
| LED indicators | - | 2 PNP LEDs | |
| Nominal voltage | ~ 125 V, --- 150 V | --- 10...30 V | |
| Nominal current | 3 A | 3 A | |
| Insulation resistance | > 10 ¹² Ω | > 10 ¹² Ω | |
| Contact resistance | ≤ 8 m Ω | ≤ 8 m Ω | |

Dimensions

XZCC12FD●40B

XZCC12FC●40B, XZCC12FCP42B

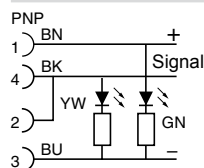


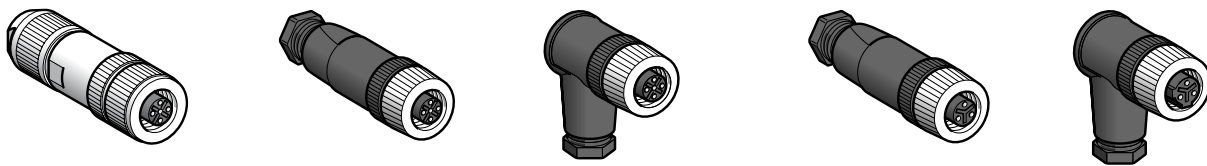
(1) Cable gland: no. 7 plastic (Pg 7)

Connections

XZCC12FD●40B, XZCC12FC●40B, XZCC12FCP42B

LED connection for XZCC12FCP42B



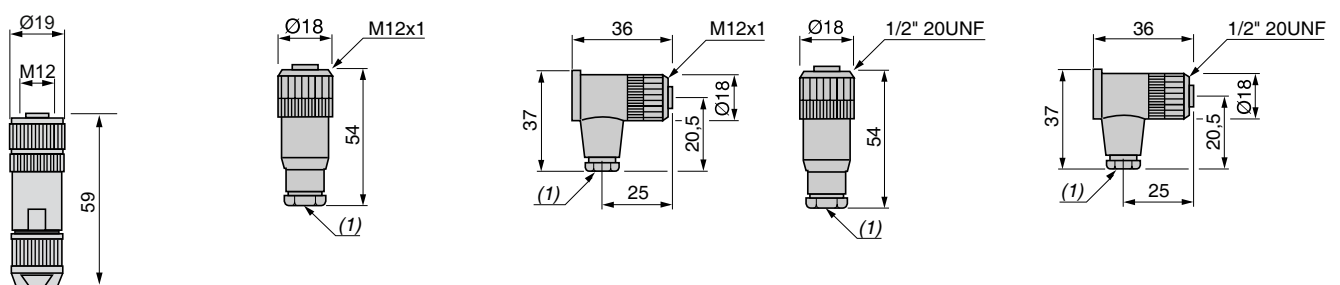


| | | | | |
|---------------------------------|-----------------------|----------------------|------------------------------|-----------------------------|
| Female, M12, straight, shielded | Female, M12, straight | Female, M12, elbowed | Female, 1/2"-20UNF, straight | Female, 1/2"-20UNF, elbowed |
| 5 | 5 | | 3 | |
| To spring terminals | To screw terminals | | | |

| | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| XZCC12FDB50R | XZCC12FDM50B | XZCC12FCM50B | XZCC20FDM30B | XZCC20FCM30B |
| - | - | | | |
| 0.050 | 0.020 | | | |

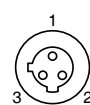
| | | |
|---|---|--|
| Screw threaded (metal clamping ring) | | |
| IP 67 (with connector correctly tightened) | | IP 67 (with connector correctly tightened) |
| - 40...+ 85°C | | - 40...+ 85°C |
| To spring terminals Maximum conductor c.s.a.: 0.5 mm ² Clamping capacity: 4 to 8 mm | To screw terminals Maximum conductor c.s.a.: 0.75 mm ² Cable gland: no. 7 plastic (Pg 7) Clamping capacity: 3 to 6 mm | |
| - | - | - |
| ~ 30 V, ~ 36 V | ~ 30 V, ~ 36 V | ~ 250 V |
| 4 A | 3 A | 4 A |
| > 10 ¹² Ω | > 10 ¹² Ω | > 10 ¹² Ω |
| ≤ 8 mΩ | ≤ 8 mΩ | ≤ 8 mΩ |

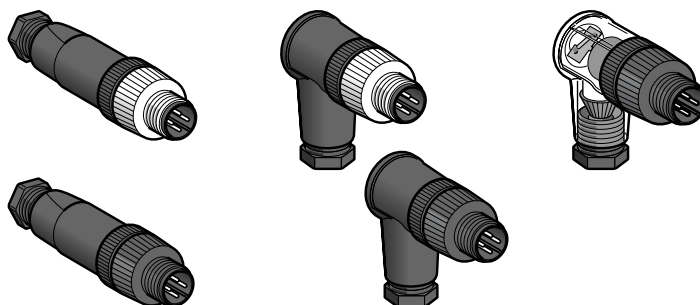
| | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| XZCC12FDB50R | XZCC12FDM50B | XZCC12FCM50B | XZCC20FDM30B | XZCC20FCM30B |
|---------------------|---------------------|---------------------|---------------------|---------------------|



(1) Cable gland: no. 7 plastic (Pg 7)

| | |
|-----------------------------------|---------------------|
| XZCC12FDB50R, XZCC12F•M50B | XZCC20F•M30B |
|-----------------------------------|---------------------|





| | | | |
|------------------|---------------------|--------------------|--------------------|
| Connector type | Male, M12, straight | Male, M12, elbowed | Male, M12, elbowed |
| Number of pins | 4 | | |
| Cable connection | To screw terminals | | |

References

| | | | | |
|--------------|-----------------------|---------------------|---------------------|---------------------|
| Plastic body | Metal clamping ring | XZCC12MDM40B | XZCC12MCM40B | - |
| | Plastic clamping ring | XZCC12MDP40B | XZCC12MCP40B | XZCC12MCP42B |
| Weight (kg) | 0.025 | | | |

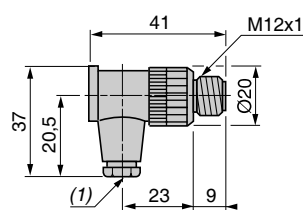
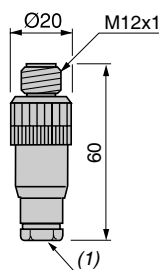
Characteristics

| | | | |
|-------------------------|---|----------------------|--|
| Connection type | Screw threaded (plastic or metal clamping ring, depending on model) | | |
| Degree of protection | IP 67 (with connector correctly tightened) | | |
| Ambient air temperature | - 40...+ 85°C | | |
| Cabling | To screw terminals Maximum conductor c.s.a.: 0.75 mm ² Cable gland: no. 7 plastic (Pg 7) Clamping capacity: 3 to 6 mm | | |
| LED indicators | - | 2 PNP LEDs | |
| Nominal voltage | ~ 125 V, = 150 V | = 10...30 V | |
| Nominal current | 3 A | 3 A | |
| Insulation resistance | > 10 ¹² Ω | > 10 ¹² Ω | |
| Contact resistance | ≤ 8 m Ω | ≤ 8 m Ω | |

Dimensions

XZCC12MD●40B

XZCC12MC●40B, XZCC12MCP42B

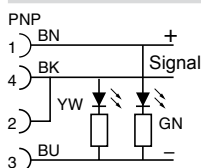


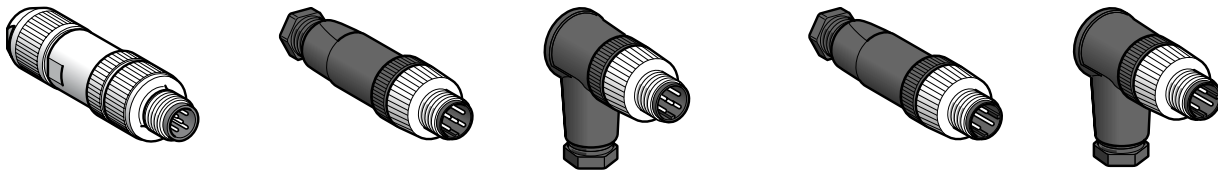
(1) Cable gland: no. 7 plastic (Pg 7)

Connections

XZCC12MD●40B, XZCC12MC●40B, XZCC12MCP42B

LED connection for XZCC12MCP42B



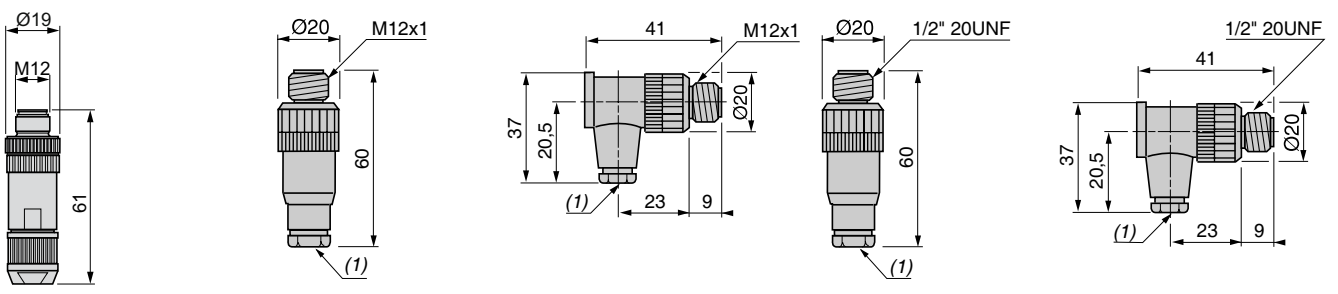


| | | | | |
|-------------------------------|---------------------|--------------------|----------------------------|---------------------------|
| Male, M12, straight, shielded | Male, M12, straight | Male, M12, elbowed | Male, 1/2"-20UNF, straight | Male, 1/2"-20UNF, elbowed |
| 5 | 5 | | 3 | |
| To spring terminals | To screw terminals | | | |

| | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| XZCC12MDB50R | XZCC12MDM50B | XZCC12MCM50B | XZCC20MDM30B | XZCC20MCM30B |
| 0.050 | 0.025 | | | |

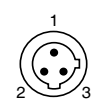
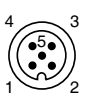
| | | | | |
|--|---|---|----------------------|---|
| Screw threaded (metal clamping ring) | | | | |
| IP 67 (with connector correctly tightened) | | | | |
| - 40...+ 85°C | | | | |
| To spring terminals Maximum conductor c.s.a.: 0.5 mm ² Clamping capacity: 4 to 8 mm | To screw terminals Maximum conductor c.s.a.: 0.75 mm ² Cable gland: no. 7 plastic (Pg 7) Clamping capacity: 3 to 6 mm | | | |
| - | - | - | - | - |
| ~ 30 V, --- 36 V | ~ 30 V, --- 36 V | | ~ 250 V | |
| 4 A | 3 A | | 4 A | |
| > 10 ¹² Ω | > 10 ¹² Ω | | > 10 ¹² Ω | |
| ≤ 8 m Ω | ≤ 8 m Ω | | ≤ 8 m Ω | |

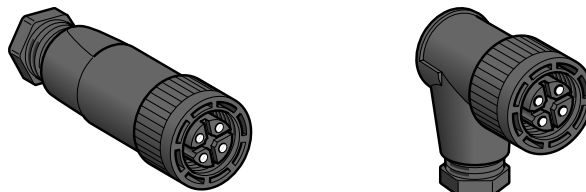
| | | | | |
|---------------------|---------------------|---------------------|---------------------|---------------------|
| XZCC12MDB50R | XZCC12MDM50B | XZCC12MCM50B | XZCC20MDM30B | XZCC20FCM30B |
|---------------------|---------------------|---------------------|---------------------|---------------------|



(1) Cable gland: no. 7 plastic (Pg 7)

| | |
|-----------------------------------|---------------------|
| XZCC12MDB50R, XZCC12M●M50B | XZCC20M●M30B |
|-----------------------------------|---------------------|





| | | |
|------------------|-----------------------|----------------------|
| Connector type | Female, M18, straight | Female, M18, elbowed |
| Number of pins | 4 | |
| Cable connection | To screw terminals | |

References

| | | | |
|--------------|-----------------------|-------|--|
| Plastic body | Metal clamping ring | - | |
| | Plastic clamping ring | | |
| Weight (kg) | | 0.035 | |

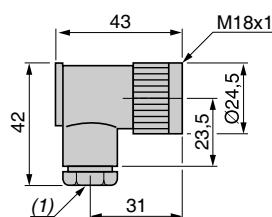
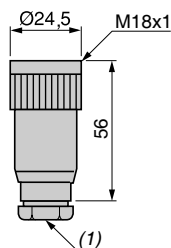
Characteristics

| | |
|-------------------------|--|
| Connection type | Screw threaded (plastic clamping ring) |
| Degree of protection | IP 65 (with connector correctly tightened) |
| Ambient air temperature | - 40...+ 85°C |
| Cabling | To screw terminals Maximum conductor c.s.a.: 1.5 mm ² Cable gland: no. 9 plastic (Pg 9) Clamping capacity: 5 to 8 mm |
| LED indicators | - |
| Nominal voltage | ~ 250 V |
| Nominal current | 16 A |
| Insulation resistance | > 10 ¹² Ω |
| Contact resistance | ≤ 10 mΩ |

Dimensions

XZCC18FDP40B

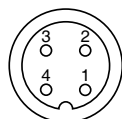
XZCC18FCP40B

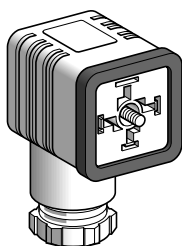


(1) Cable gland: no. 9 plastic (Pg 9)

Connections

XZCC18F●P40B





Female, EN 175301-803-A (ex DIN 43650 A), elbowed

4

To screw terminals

XZCC43FCP40B

-

0.035

With locking screw

IP 65 (with connector correctly locked)

- 40...+ 125°C

To screw terminals
Maximum conductor c.s.a.: 1.5 mm²
Cable gland: no. 11 plastic (Pg 11)
Clamping capacity: 7 to 10 mm

-

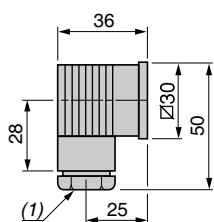
~ 250 V

16 A

> 10⁸ Ω

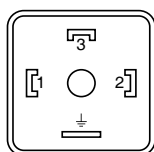
≤ 4 m Ω

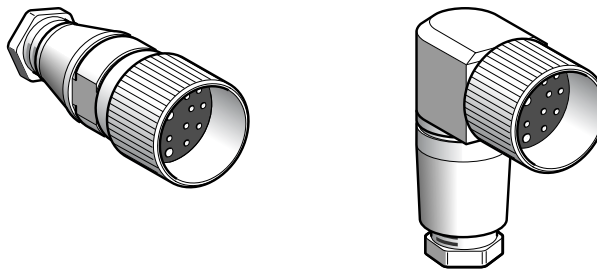
XZCC43FCP40B



(1) Cable gland: no. 11 plastic (Pg 11)

XZCC43FCP40B





| | | |
|------------------|-----------------------|----------------------|
| Connector type | Female, M23, straight | Female, M23, elbowed |
| Number of pins | 19 | |
| Cable connection | To solder terminals | |

References

| | | | |
|------------------------------------|----------------------------------|----------------------|----------------------|
| Metal body and metal clamping ring | Contacts numbered anti-clockwise | XZCC23FDM190S | XZCC23FCM190S |
| Weight (kg) | | 0.080 | 0.150 |

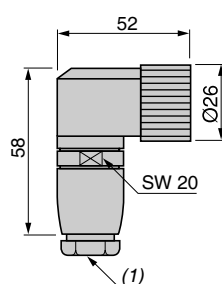
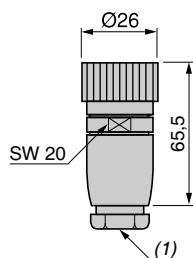
Characteristics

| | |
|-------------------------|--|
| Connection type | Screw threaded (metal clamping ring) |
| Degree of protection | IP 65 (with connector correctly tightened) |
| Ambient air temperature | - 25...+ 110°C |
| Cabling | To solder terminals Maximum conductor c.s.a.: 1 mm ² Cable gland: no. 13 metal (Pg 13.5) Clamping capacity: 9 to 12 mm |
| LED indicators | — |
| Nominal voltage | ~ 60 V , --- 75 V |
| Nominal current | 7.5 A |
| Insulation resistance | > 10 ¹⁶ Ω |
| Contact resistance | ≤ 5 m Ω |

Dimensions

XZCC23FDM190S

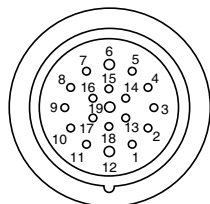
XZCC23FCM190S

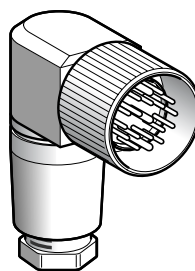
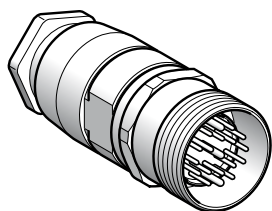


(1) Cable gland: no. 13 metal (Pg 13.5)

Connections

XZCC23F●M190S





Male, M23, straight | Male, M23, elbowed (compatible with enclosure feed-throughs ABE7ACC82)

19

To solder terminals

XZCC23MDM190S

XZCC23MCM190S

0.080

0.150

Screw threaded (metal clamping ring)

IP 65 (with connector correctly tightened)

- 25...+ 110°C

To solder terminals

Maximum conductor c.s.a.: 1 mm²

Cable gland: no. 13 metal (Pg 13.5)

Clamping capacity: 9 to 12 mm

-

~ 60 V, --- 75 V

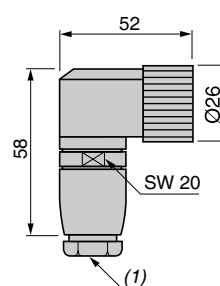
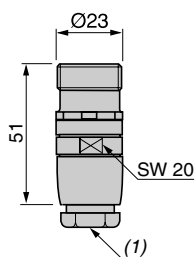
7.5 A

> 10¹⁶ Ω

≤ 5 m Ω

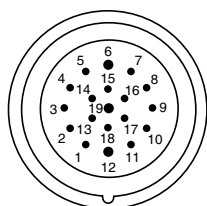
XZCC23MDM190S

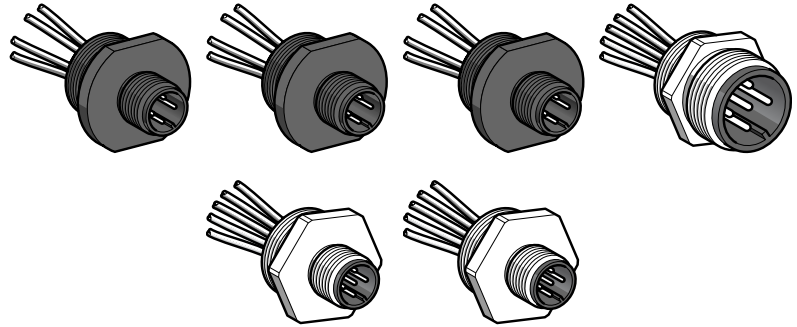
XZCC23MCM190S



(1) Cable gland: no. 13 metal (Pg 13.5)

XZCC23M●M190S





| | | | | |
|-------------------------|------------|--------------|-----------|-----------------|
| Type of 5-pin connector | M12, male | | | 7/8"-16UN, male |
| Size of tapped hole | 11 (Pg 11) | 13 (Pg 13.5) | M20 x 1.5 | 13 (Pg 13.5) |

References

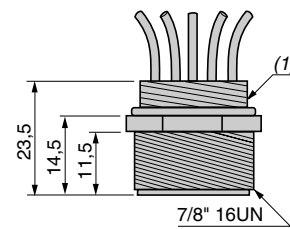
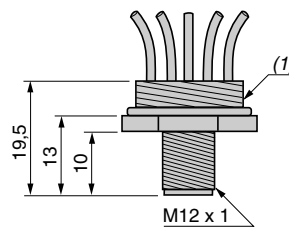
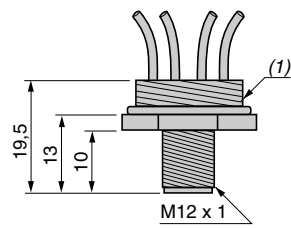
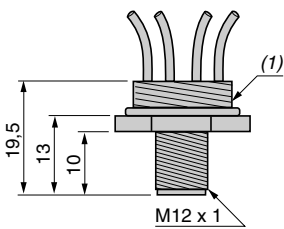
| | | | | |
|---|--------------------|-----------------------------------|--------------------|--------------------|
| 4-wire connector adaptors, plastic body | XZCE11P124M | XZCE13P124M | XZCE03P124M | – |
| 5-wire connector adaptors, metal body | – | XZCE13M125M | XZCE03M125M | XZCE13M785M |
| Weight (kg) | 0.020 | 0.020 (4-wire), 0.025 (5-wire) | | 0.050 |

Characteristics

| | | | | |
|-------------------------|--------------------------|--|-----------------------|--|
| Connection type | Screw threaded | | | |
| Degree of protection | IP 67 | | | |
| Ambient air temperature | - 25...+ 80°C | | | |
| Cabling | Via 100 mm long wires. | | | |
| Conductor c.s.a. | 4 x 0.34 mm ² | XZCE•3P124M : 4 x 0.34 mm ² XZCE•3M125M : 4 x 0.34 mm ² + 1 x 0.5 mm ² | 5 x 1 mm ² | |
| Nominal voltage | ~ 250 V, ≐ 300 V | XZCE•3P124M : ~ 250 V, ≐ 300 V XZCE•3M125M : ~ 30 V, ≐ 36 V | ~ 250 V, ≐ 300 V | |
| Nominal current | 4 A | | 6 A | |
| Insulation resistance | > 10 ⁹ Ω | | | |
| Contact resistance | ≤ 5 mΩ | | | |

Dimensions

| XZCE11P124M | XZCE•3P124M | XZCE•3M125M | XZCE13M785M |
|-------------|-------------|-------------|-------------|
|-------------|-------------|-------------|-------------|



(1) Thread size 11

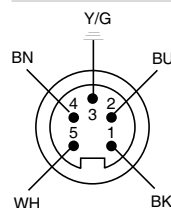
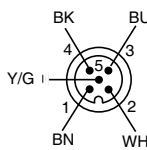
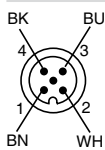
(1) Thread size 13 or M20 x 1.5

(1) Thread size 13 or M20 x 1.5

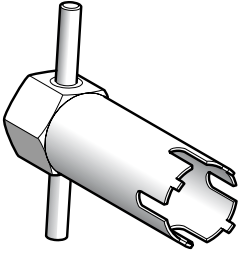
(1) Thread size 13

Connections

| XZCE••P124M | XZCE••P125M | XZCE13M785M |
|-------------|-------------|-------------|
|-------------|-------------|-------------|



806083



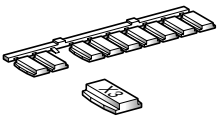
XZCG0223

806082



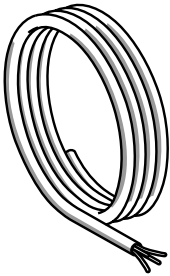
XZLG102

806081



XZLG101

806084



XZCB4L●●●●

Accessories

| Description | Unit reference | Weight kg |
|---|-----------------|-------------------------|
| Mounting tool for M23 connector | XZCG0223 | 0.120 |
| Blanking plugs for M12 female connectors (Sold in lots of 10) | XZLG102 | 0.005 |
| Markers for splitter boxes (Strips of 10 units) | XZLG101 | 0.010 |
| PvR cables, 4 x 0.5 mm² (see characteristics, page 11) | L = 25 m | XZCB4L0025 1.115 |
| | L = 50 m | XZCB4L0050 2.220 |
| | L = 100 m | XZCB4L0100 4.490 |

| X | | | | | | | | | |
|---------------|----|-------------|----|--------------|----|---------------|----|----------------|----|
| XZCB4L0025 | 47 | XZCP0566L5 | 19 | XZCP1865L5 | 22 | XZCPV1541L5 | 13 | XZCR2706037R2 | 24 |
| XZCB4L0050 | 47 | XZCP0566L10 | 19 | XZCP1865L10 | 22 | XZCPV1564L1 | 14 | XZCR2709037S1 | 24 |
| XZCB4L0100 | 47 | XZCP0666L2 | 19 | XZCP1965L2 | 22 | XZCPV1564L2 | 14 | XZCR2709037S2 | 24 |
| XZCC8FCM30S | 36 | XZCP0666L5 | 19 | XZCP1965L5 | 22 | XZCPV1564L5 | 14 | XZCR2710037S1 | 25 |
| XZCC8FCM30V | 36 | XZCP0666L10 | 19 | XZCP1965L10 | 22 | XZCPV1670L2 | 15 | XZCR2710037S2 | 25 |
| XZCC8FCM40S | 37 | XZCP0766L2 | 19 | XZCP2540L2 | 20 | XZCPV1670L5 | 15 | XZCR2711037T1 | 25 |
| XZCC8FCM40V | 37 | XZCP0766L5 | 19 | XZCP2540L5 | 20 | XZCPV1670L10 | 15 | XZCR2711037T2 | 25 |
| XZCC8FDM30S | 36 | XZCP0766L10 | 19 | XZCP2540L10 | 20 | XZCPV1865L2 | 15 | XZCR2712037T1 | 25 |
| XZCC8FDM30V | 36 | XZCP0866L2 | 19 | XZCP2737L1 | 19 | XZCPV1865L5 | 15 | XZCR2712037T2 | 25 |
| XZCC8FDM40S | 37 | XZCP0866L5 | 19 | XZCP2737L2 | 19 | XZCPV1865L10 | 15 | XZCRA150941J2 | 34 |
| XZCC8FDM40V | 37 | XZCP0866L10 | 19 | XZCP2737L05 | 19 | XZCPV1965L2 | 15 | XZCRA150941J5 | 34 |
| XZCC8MDM30V | 37 | XZCP0941L2 | 19 | XZCPA0566L5 | 32 | XZCPV1965L5 | 15 | XZCRA151140A2 | 34 |
| XZCC12FCM40B | 38 | XZCP0941L5 | 19 | XZCPA0566L10 | 32 | XZCPV1965L10 | 15 | XZCRA151140A5 | 34 |
| XZCC12FCM50B | 39 | XZCP0941L10 | 19 | XZCPA0941L5 | 32 | XZCPY1764L2 | 15 | XZCRA151141C2 | 35 |
| XZCC12FCP40B | 38 | XZCP1041L2 | 19 | XZCPA0941L10 | 32 | XZCPY1764L5 | 15 | XZCRA151141C5 | 35 |
| XZCC12FCP42B | 38 | XZCP1041L5 | 19 | XZCPA1141L2 | 32 | XZCPY1764L10 | 15 | XZCRA151164D2 | 35 |
| XZCC12FDB50R | 39 | XZCP1041L10 | 19 | XZCPA1141L5 | 32 | XZCPY4275L2 | 15 | XZCRA151164D5 | 35 |
| XZCC12FDM40B | 38 | XZCP1141L2 | 20 | XZCPA1141L10 | 32 | XZCPY4275L5 | 15 | XZCRV1511040A1 | 16 |
| XZCC12FDM40V | 39 | XZCP1141L5 | 20 | XZCPA1164L2 | 32 | XZCPY4275L10 | 15 | XZCRV1511040A2 | 16 |
| XZCC12FDM50B | 39 | XZCP1141L10 | 20 | XZCPA1164L5 | 32 | XZCR1501040G1 | 26 | XZCRV1511041C1 | 17 |
| XZCC12FDP40B | 38 | XZCP1141L15 | 20 | XZCPA1164L10 | 32 | XZCR1501040G2 | 26 | XZCRV1511041C2 | 17 |
| XZCC12MCM40B | 40 | XZCP1141L20 | 20 | XZCPA1241L2 | 32 | XZCR1502040G1 | 26 | XZCRV1511041C5 | 17 |
| XZCC12MCM50B | 41 | XZCP1164L2 | 21 | XZCPA1241L5 | 32 | XZCR1502040G2 | 26 | XZCRV1512040A1 | 16 |
| XZCC12MCP40B | 40 | XZCP1164L5 | 21 | XZCPA1241L10 | 32 | XZCR1509040H1 | 27 | XZCRV1512040A2 | 16 |
| XZCC12MCP42B | 40 | XZCP1164L10 | 21 | XZCPA1865L5 | 33 | XZCR1509040H2 | 27 | XZCRV1512041C1 | 17 |
| XZCC12MDB50R | 41 | XZCP1169L2 | 21 | XZCPA1865L10 | 33 | XZCR1509041J1 | 27 | XZCRV1512041C2 | 17 |
| XZCC12MDM40B | 40 | XZCP1169L5 | 21 | XZCPA1965L5 | 33 | XZCR1509041J2 | 27 | XZCRV1512041C5 | 17 |
| XZCC12MDM50B | 41 | XZCP1169L10 | 21 | XZCPA1965L10 | 33 | XZCR1510040H1 | 27 | XZLG101 | 47 |
| XZCC12MDP40B | 40 | XZCP1241L2 | 20 | XZCPV0566L2 | 12 | XZCR1510040H2 | 27 | XZLG102 | 47 |
| XZCC18FCP40B | 42 | XZCP1241L5 | 20 | XZCPV0566L5 | 12 | XZCR1510041J1 | 27 | | |
| XZCC18FDP40B | 42 | XZCP1241L10 | 20 | XZCPV0566L10 | 12 | XZCR1510041J2 | 27 | | |
| XZCC20FCM30B | 39 | XZCP1241L15 | 20 | XZCPV0666L2 | 12 | XZCR1511040A1 | 28 | | |
| XZCC20FDM30B | 39 | XZCP1241L20 | 20 | XZCPV0666L5 | 12 | XZCR1511040A2 | 28 | | |
| XZCC20MCM30B | 41 | XZCP1264L2 | 21 | XZCPV0666L10 | 12 | XZCR1511040E1 | 28 | | |
| XZCC20MDM30B | 41 | XZCP1264L5 | 21 | XZCPV0766L2 | 12 | XZCR1511040E2 | 28 | | |
| XZCC23FCM190S | 44 | XZCP1264L10 | 21 | XZCPV0766L5 | 12 | XZCR1511041C1 | 30 | | |
| XZCC23FDM190S | 44 | XZCP1340L2 | 20 | XZCPV0766L10 | 12 | XZCR1511041C2 | 30 | | |
| XZCC23MCM190S | 45 | XZCP1340L5 | 20 | XZCPV0941L2 | 12 | XZCR1511062B1 | 29 | | |
| XZCC23MDM190S | 45 | XZCP1340L10 | 20 | XZCPV0941L5 | 12 | XZCR1511062B2 | 29 | | |
| XZCC43FCP40B | 43 | XZCP1440L2 | 20 | XZCPV0941L10 | 12 | XZCR1511062F1 | 29 | | |
| XZCE03M125M | 46 | XZCP1440L5 | 20 | XZCPV1041L2 | 13 | XZCR1511062F2 | 29 | | |
| XZCE03P124M | 46 | XZCP1440L10 | 20 | XZCPV1041L5 | 13 | XZCR1511064D1 | 31 | | |
| XZCE11P124M | 46 | XZCP1541L1 | 21 | XZCPV1041L10 | 13 | XZCR1511064D2 | 31 | | |
| XZCE13M125M | 46 | XZCP1541L2 | 21 | XZCPV1141L2 | 13 | XZCR1512040A1 | 28 | | |
| XZCE13M785M | 46 | XZCP1541L05 | 21 | XZCPV1141L5 | 13 | XZCR1512040A2 | 28 | | |
| XZCE13P124M | 46 | XZCP1564L1 | 21 | XZCPV1141L10 | 13 | XZCR1512040E1 | 28 | | |
| XZCG0223 | 47 | XZCP1564L2 | 21 | XZCPV1164L2 | 14 | XZCR1512040E2 | 28 | | |
| XZCP0166L2 | 18 | XZCP1564L05 | 21 | XZCPV1164L5 | 14 | XZCR1512041C1 | 30 | | |
| XZCP0166L5 | 18 | XZCP1662L2 | 23 | XZCPV1164L10 | 14 | XZCR1512041C2 | 30 | | |
| XZCP0166L10 | 18 | XZCP1662L5 | 23 | XZCPV1241L2 | 13 | XZCR1512062B1 | 29 | | |
| XZCP0266L2 | 18 | XZCP1670L2 | 23 | XZCPV1241L5 | 13 | XZCR1512062B2 | 29 | | |
| XZCP0266L5 | 18 | XZCP1670L5 | 23 | XZCPV1241L10 | 13 | XZCR1512062F1 | 29 | | |
| XZCP0266L10 | 18 | XZCP1670L10 | 23 | XZCPV1264L2 | 14 | XZCR1512062F2 | 29 | | |
| XZCP0366L2 | 18 | XZCP1764L2 | 23 | XZCPV1264L5 | 14 | XZCR1512064D1 | 31 | | |
| XZCP0366L5 | 18 | XZCP1764L5 | 23 | XZCPV1264L10 | 14 | XZCR1512064D2 | 31 | | |
| XZCP0366L10 | 18 | XZCP1764L10 | 23 | XZCPV1340L2 | 13 | XZCR1523062K1 | 29 | | |
| XZCP0466L2 | 18 | XZCP1774L2 | 23 | XZCPV1340L5 | 13 | XZCR1523062K2 | 29 | | |
| XZCP0466L5 | 18 | XZCP1774L5 | 23 | XZCPV1340L10 | 13 | XZCR2705037R1 | 24 | | |
| XZCP0466L10 | 18 | XZCP1774L10 | 23 | XZCPV1541L1 | 13 | XZCR2705037R2 | 24 | | |
| XZCP0566L2 | 19 | XZCP1865L2 | 22 | XZCPV1541L2 | 13 | XZCR2706037R1 | 24 | | |