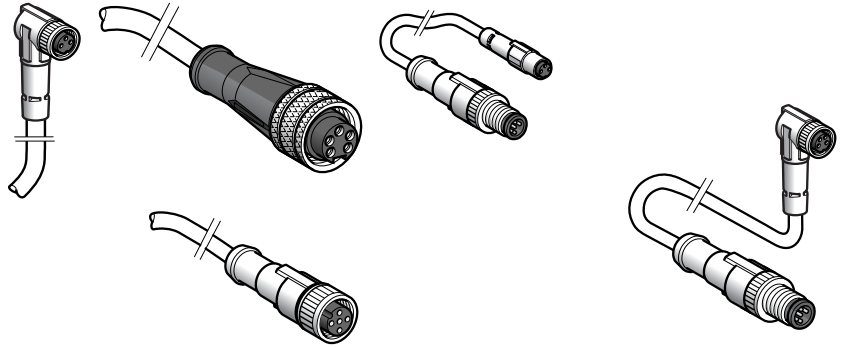


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**Description**      **Pre-wired connectors**      **Jumper cables (female–male)**



Type	M8 Ø 8				M12			1/2"- 20UNF		7/8"- 16UN		M8 – M8			M8 – M12		M12 – M8			M12 – M12			DIN – M12					
	Female	•				• (1)			•																			• (DIN)
Male	•				• (1)			–			•				• (M12)													• (M12)
Connection	Clip	•				–																					–	
	Screw threaded	•																										
Model	Straight	•																									–	
	Elbowed	•				• (3)			•		–																	
Number of pins		3	4			3	4	5		3																	5	
Signaling	Without LED	•				–		•																				
	With LED	•				–		•		–																		
Nominal voltage	≡ 10...30 V (with LED)	•				–		•		–																		
	~ 30, ≡ 36 V	–						•		–																		•
	~ 60, ≡ 75 V	•				–																						–
	~ 125, ≡ 150 V	–																										
	~ 250, ≡ 300 V	–						•		•		–																•
	~ 250 V	–																										•
	Current (A)		4																								6	
																											4 & 6	
Cable length	0.5 m	•				–		• (2)		–																		
	1 m	•				–		• (2)		–																		
	2 m	•																										
	5 m	•						• (3)		•																		
	10 m	•						• (3)		•																		
Catalog numbers	<b>XZCP</b>										<b>XZCR</b>																	
Pages	11/8 to 11/13										11/14 to 11/21																	

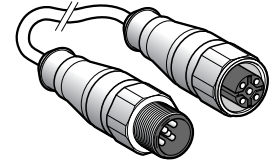
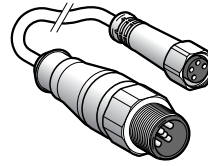
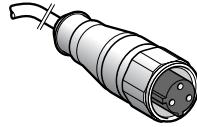
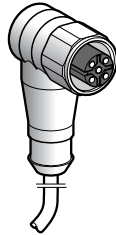
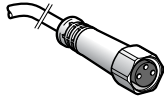
(1) With 4 or 5 pins.  
 (2) For male pre-wired connectors.  
 (3) For female pre-wired connectors.

• Characteristics applicable to the cabling accessory.  
 – Characteristics not applicable to the cabling accessory.

**Pre-wired connectors - Application series**

PVC cable, stainless steel clamping ring and IP 69K degree of protection

**Jumper cables (female-male) - Application series**



M8		M12		1/2"-20UNF	M8 – M12		M12 – M12		
•		•		•	• (M8)		• (M12)		
–		–		–	• (M12)		• (M12)		
–		–		–	–		–		
• (1)					• (1)				
•					•				
–		•		•	–				
3	4	4	5	3	4		3	4	5
•					•				
–					–				
–					–				
–					–				
•		–			•		–		
–					–				
–		•			–		•		
–					–				
4					4				
–					–				
–					–				
–					–				
–		•		–	•				
•					•				
•					–				

**XZCPA**

11/13 and 11/22

**XZCRA**

11/24 and 11/25

(1) Tightening by hand recommended.  
 • Characteristics applicable to the cabling accessory.  
 – Characteristics not applicable to the cabling accessory.

11

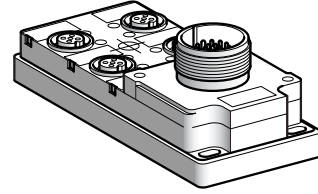
Description		Connectors					
Type	Female	M8	M12	1/2"-20UNF	M18	DIN 43650	M23
	Male	•			–		•
Connection	Clip	–					
	Screw threaded	•					
Model	Straight	•				–	•
	Elbowed	•					
Number of pins		3	4	5	3	4	19
Signaling	Without LED	•					
	With LED	–	•	–			
Nominal voltage	⎓ 10...30 V (with LED)	–	•	–			
	~ 30, ⎓ 36 V	–		•	–		
	~ 60, ⎓ 75 V	•	–				•
	~ 125, ⎓ 150 V	–	•	–			
	~ 250, ⎓ 300 V	–					–
	~ 250 V	–		•			–
Current (A)		4	3	4	16		7.5
Cable length	0.5 m	–					
	1 m	–					
	2 m	–					
	5 m	–					
	10 m	–					
Catalog numbers		<b>XZCC</b>					
Pages		11/26 to 11/35					

• Characteristics applicable to the cabling accessory.  
 – Characteristics not applicable to the cabling accessory.

**Connector adapters**



**Passive splitter boxes (1)**



M12	7/8"-16UN	4 or 8 channel
-		● (M12)
●		-
-		-
●		-
●		●
-		-
4	5	19
●		●
-		●
-		-
-		⋮ 24 V
-	●	-
-		-
-		-
●	-	●
-		-
4	6	4 per channel
Length of wires: 0.10 m		-
		-
		-
		●
		●

**XZCE** **ABE9**

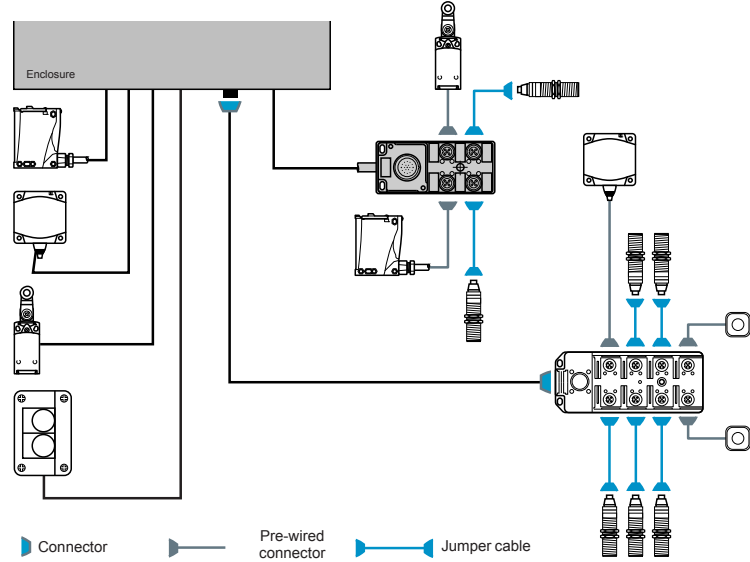
11/36 11/38

(1) Other splitter boxes, including Advantys FTB etc. Refer to the "Power supplies, splitter boxes and interfaces" catalog.  
 ● Characteristics applicable to the cabling accessory.  
 - Characteristics not applicable to the cabling accessory.

**Other versions** Consult the Sensor Competency Center.

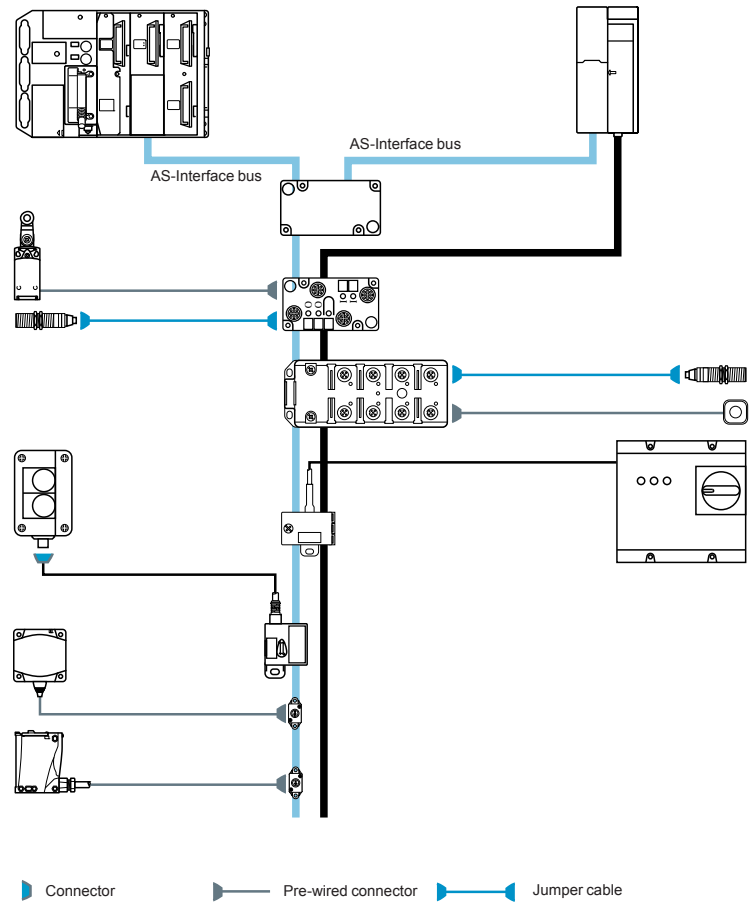
**Parallel cabling system**

**Traditional cabling**

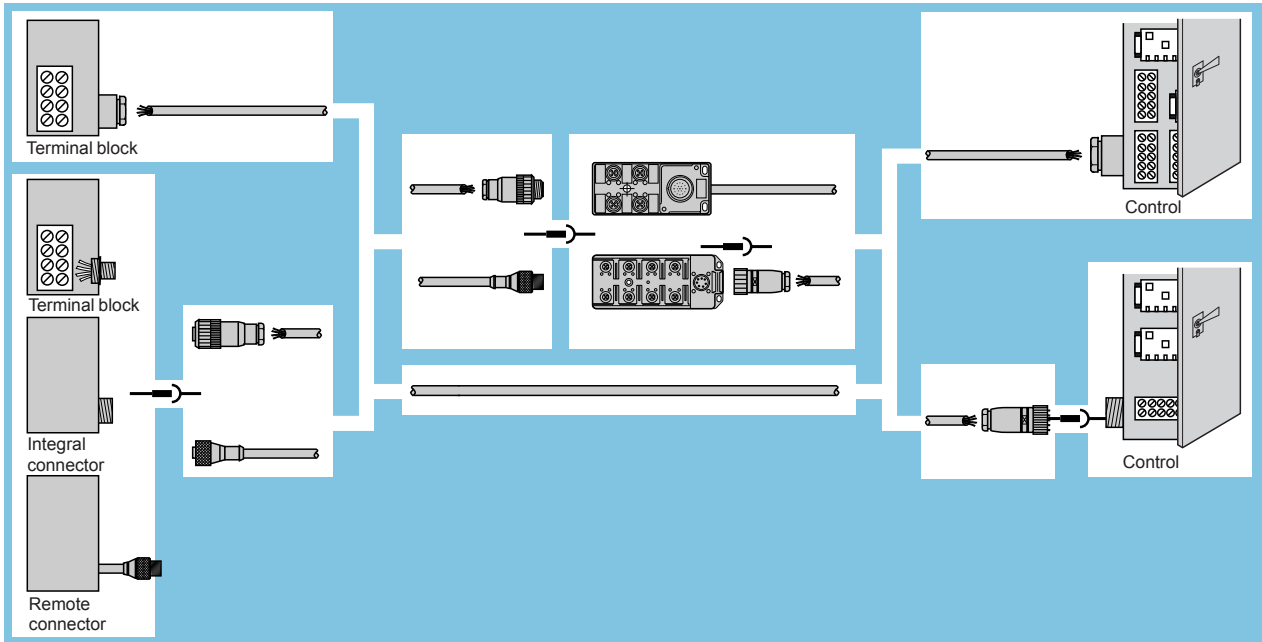
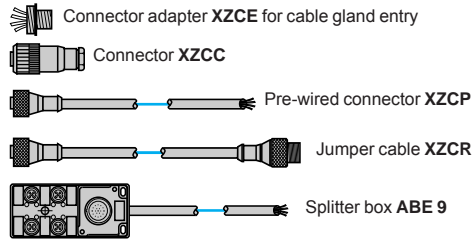


**Series cabling system**

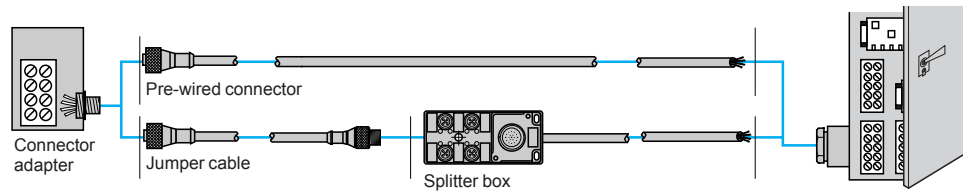
**Cabling on AS-Interface bus**



**Cabling accessories**

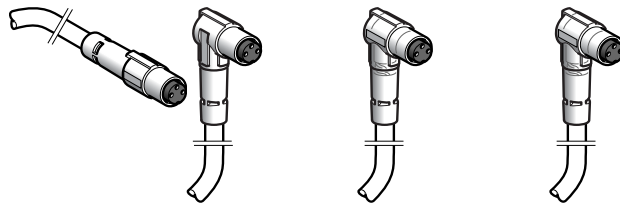


**Connection example**



**Specifications**

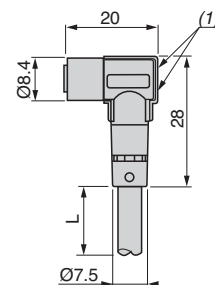
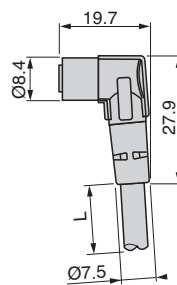
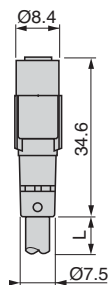
Type of cable		Cable for pre-wired connectors and jumper cables	Bare cables XZCB4L●●●●	Application series cables
<b>Ambient air temperature</b>				
For operation	°C (°F)	- 35 to + 90 (- 31 to + 194)		- 25 to + 95 (- 13 to + 203)
For storage	°C (°F)	- 35 to + 100 (- 31 to + 212)	- 40 to + 100 (- 40 to + 212)	- 25 to + 95 (- 13 to + 203)
<b>Color</b>		Matte black		
<b>Material Sheath</b>		PUR/PVC	PvR (PVC/NBR)	PVC
Conductor insulation		PVC		
<b>Manufacturing method</b>		Without silicone and without unmolding agent		
<b>Nominal voltage</b>	V	320 conforming to DIN VDE 0110 (III/3)	300	~ 250 --- 300
<b>Insulation voltage</b>	kV	2.5	2 conforming to NF C 32-201-1	3
<b>Flame resistance</b>		C2 conforming to NF C 32-070		C2 conforming to NF C 32-070
<b>Environmental resistance</b>		Resistant to soluble, mineral or synthetic oils at 90 °C (194 °F)		Resistant to solvents and detergents
<b>Bending radius</b>		Flexing: 15 x external diameter Static: 10 x external diameter	R min. = 3 x external diameter	
<b>Tensile strength</b>	N/mm²	20 to 45	10 to 35	11
<b>Hardness</b>		80 +/- 5 shore A	70 +/- 5 shore A	80 +/- 5 shore A



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			
<b>Catalog Numbers</b>					
PUR cable (see page 11/7)	2 m	XZCP0166L2	XZCP0266L2	XZCP0366L2	XZCP0466L2
	5 m	XZCP0166L5	XZCP0266L5	XZCP0366L5	XZCP0466L5
	10 m	XZCP0166L10	XZCP0266L10	XZCP0366L10	XZCP0466L10
Weight: kg (lb)		<b>2 m:</b> 0.050 (0.110) <b>5 m:</b> 0.110 (0.243) <b>10 m:</b> 0.215 (0.474)			

<b>Specifications</b>					
Certification		UL		UL	
Connection type		Clip (1)		Clip (1)	
Degree of protection		IP 67 (when correctly clipped together)		IP 65 (when correctly clipped together)	
Ambient air temperature	Static cable	- 35 to + 90 °C (- 31 to + 194 °F)		- 35 to + 90 °C (- 31 to + 194 °F)	
	Flexing cable	- 5 to + 90 °C (+ 23 to + 194 °F)		- 5 to + 90 °C (+ 23 to + 194 °F)	
Cabling		Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>		Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>	
LED indicators		-		2 PNP LEDs	2 NPN LEDs
Nominal voltage		~ 60 V, --- 75 V		--- 10 to 30 V	
Nominal current		4 A		4 A	
Insulation resistance		> 10 <sup>9</sup> Ω		> 10 <sup>9</sup> Ω	
Contact resistance		≤ 5 mΩ		≤ 5 mΩ	

<b>Dimensions</b>		
XZCP0166L●	XZCP0266L●	XZCP0366L●, XZCP0466L●



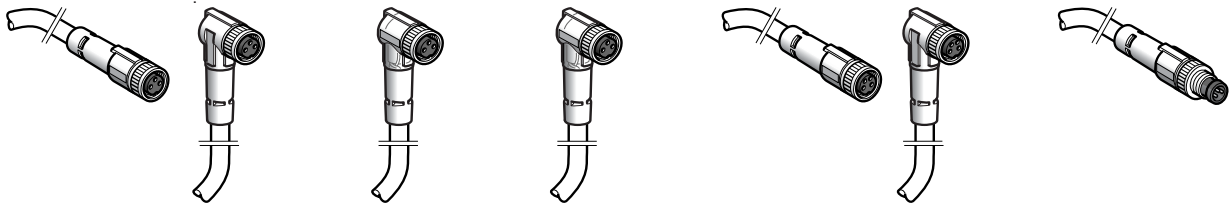
(1) 2 LEDs limited to --- 10 to 30 V max.  
L = 2, 5 or 10 m

### Wiring diagrams

XZCP0●66L●	LED connection XZCP0366L●	XZCP0466L●

(1) Clip together connectors, without clamping ring.

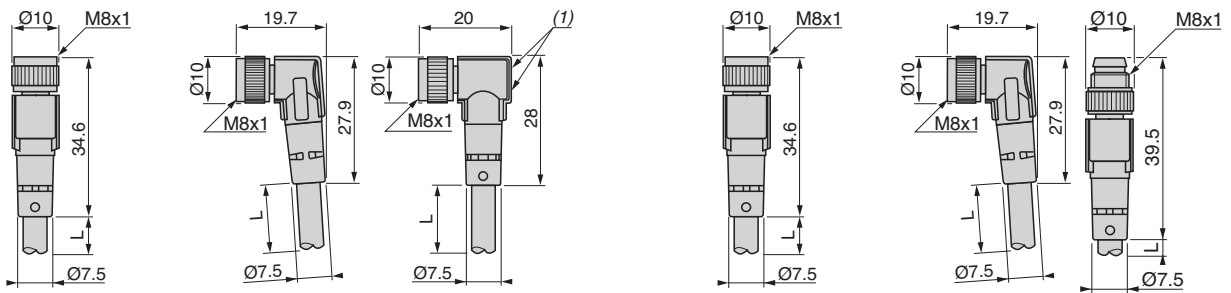




Female, M8, straight	Female, M8, elbowed	Female, M8, elbowed with PNP LED	Female, M8, elbowed with NPN LED	Female, M8, straight	Female, M8, elbowed	Male, M8, straight
3				4		3
<b>XZCP0566L2</b>	<b>XZCP0666L2</b>	<b>XZCP0766L2</b>	<b>XZCP0866L2</b>	<b>XZCP0941L2</b>	<b>XZCP1041L2</b>	<b>XZCP2737L05</b>
<b>XZCP0566L5</b>	<b>XZCP0666L5</b>	<b>XZCP0766L5</b>	<b>XZCP0866L5</b>	<b>XZCP0941L5</b>	<b>XZCP1041L5</b>	<b>XZCP2737L1</b>
<b>XZCP0566L10</b>	<b>XZCP0666L10</b>	<b>XZCP0766L10</b>	<b>XZCP0866L10</b>	<b>XZCP0941L10</b>	<b>XZCP1041L10</b>	<b>XZCP2737L2</b>
2 m: 0.060 (0.132) 5 m: 0.120 (0.265) 10 m: 0.225 (0.496)				2 m: 0.080 (0.176) 5 m: 0.180 (0.397) 10 m: 0.360 (0.794)		0.5 m: 0.030 (0.066) 1 m: 0.050 (0.110) 2 m: 0.080 (0.176)

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)
IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)
- 35 to + 90 °C (- 31 to + 194 °F)	- 35 to + 90 °C (- 31 to + 194 °F)	- 35 to + 90 °C (- 31 to + 194 °F)	- 35 to + 90 °C (- 31 to + 194 °F)
- 5 to + 90 °C (+ 23 to + 194 °F)	- 5 to + 90 °C (+ 23 to + 194 °F)	- 5 to + 90 °C (+ 23 to + 194 °F)	- 5 to + 90 °C (+ 23 to + 194 °F)
Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>	Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>	Ø 5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup>	Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>
-	2 PNP LEDs	2 NPN LEDs	-
~ 60 V, --- 75 V	--- 10 to 30 V	~ 60 V, --- 75 V	~ 60 V, --- 75 V
4 A	4 A	4 A	4 A
> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ

**XZCP0566L●**    **XZCP0666L●**    **XZCP0766L●, XZCP0866L●**    **XZCP0941L●**    **XZCP1041L●**    **XZCP2737L●**

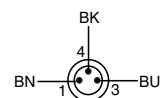
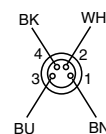
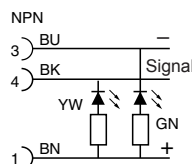
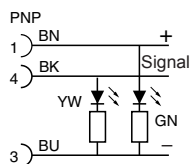
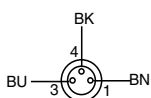


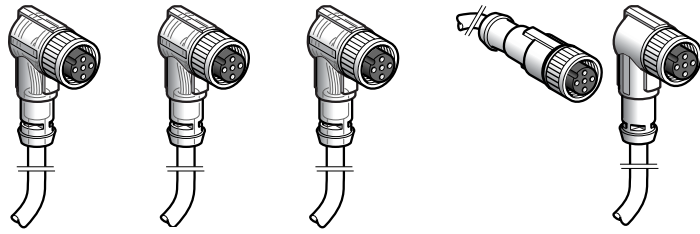
(1) 2 LEDs limited to --- 10 to 30 V max.

L = 2, 5 or 10 m

L = 0.5, 1 or 2 m

**XZCP0●66L●**    **LED connection**    **XZCP0866L●**    **XZCP●●41L●**    **XZCP2737L●**

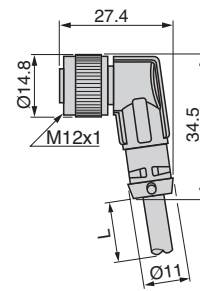
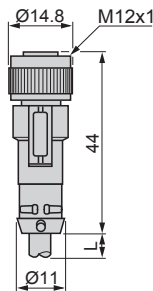
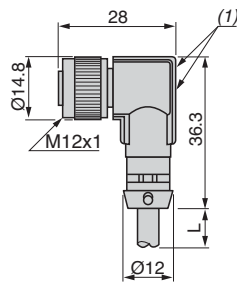




Connector type	Female, M12, elbowed with LED	Female, M12, elbowed with LED	Female, M12, elbowed with LED	Female, M12, straight	Female, M12, elbowed	
Number of pins	3			4		
<b>Catalog Numbers</b>						
PUR cable (see page 11/7)	0.5 m	-			-	
	1 m	-			-	
	2 m	XZCP2540L2	XZCP1340L2	XZCP1440L2	XZCP1141L2	XZCP1241L2
	5 m	XZCP2540L5	XZCP1340L5	XZCP1440L5	XZCP1141L5	XZCP1241L5
	10 m	XZCP2540L10	XZCP1340L10	XZCP1440L10	XZCP1141L10	XZCP1241L10
Weight: kg (lb)	2 m: 0.080 (0.176)			2 m: 0.090 (0.198)		
	5 m: 0.180 (0.397)			5 m: 0.190 (0.419)		
	10 m: 0.350 (0.772)			10 m: 0.370 (0.816)		

<b>Specifications</b>					
Certification	UL			UL	
Connection type	Screw threaded (stainless steel clamping ring)		Screw threaded (metal clamping ring)		Screw threaded (metal clamping ring)
Degree of protection	IP 67 (with clamping ring correctly tightened)			IP 67 (with clamping ring correctly tightened)	
Ambient air temperature	Static cable	- 35 to + 90 °C (- 31 to + 194 °F)			- 35 to + 90 °C (- 31 to + 194 °F)
	Flexing cable	- 5 to + 90 °C (+ 23 to + 194 °F)			- 5 to + 90 °C (+ 23 to + 194 °F)
Cabling	Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>			Ø 5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup>	
LED indicators	2 PNP LEDs	2 PNP LEDs	2 NPN LEDs	-	
Nominal voltage	~ 10 to 30 V			~ 250 V, ~ 300 V	
Nominal current	4 A			4 A	
Insulation resistance	> 10 <sup>9</sup> Ω			> 10 <sup>9</sup> Ω	
Contact resistance	≤ 5 mΩ			≤ 5 mΩ	

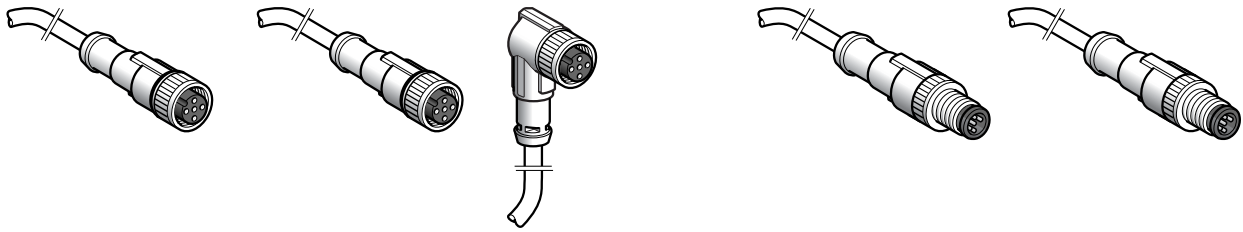
<b>Dimensions</b>		
XZCP2540L, XZCP1340L, XZCP1440L	XZCP1141L	XZCP1241L



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

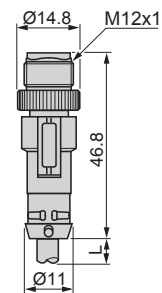
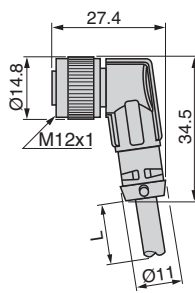
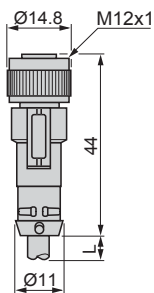
**Wiring diagrams**

	LED connection			
XZCP2540L, XZCP140L	XZCP2540L, XZCP1340L	XZCP1440L	XZCP141L	



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	-	-
2 m: 0.105 (0.231) 5 m: 0.260 (0.573) 10 m: 0.500 (1.102)	2 m: 0.115 (0.254) 5 m: 0.270 (0.595) 10 m: 0.520 (1.146)		0.5 m: 0.030 (0.066) 1 m: 0.050 (0.110) 2 m: 0.085 (0.187)	0.5 m: 0.040 (0.088) 1 m: 0.065 (0.143) 2 m: 0.115 (0.254)
UL			UL	
Screw threaded (metal clamping ring)			Screw threaded (metal clamping ring)	
IP 67 (with clamping ring correctly tightened)			IP 67 (with clamping ring correctly tightened)	
-35 to +90 °C (-31 to +194 °F)			-35 to +90 °C (-31 to +194 °F)	
-5 to +90 °C (+23 to +194 °F)			-5 to +90 °C (+23 to +194 °F)	
Ø 5.7 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup>	Ø 5.9 mm cable, conductor c.s.a.: 5 x 0.34 mm <sup>2</sup>		Ø 5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup>	Ø 5.9 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
-	-		-	-
~ 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 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω		> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
≤ 5 mΩ	≤ 5 mΩ		≤ 5 mΩ	≤ 5 mΩ

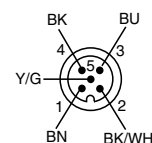
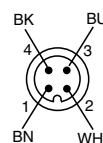
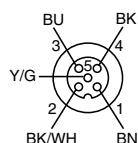
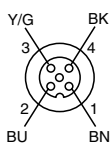
XZCP1169L●, XZCP1164L●      XZCP1264L●      XZCP1541L●, XZCP1564L●



L = 2, 5 or 10 m

L = 0.5, 1 or 2 m

XZCP1169L●      XZCP1●64L●      XZCP1541L●      XZCP1564L●

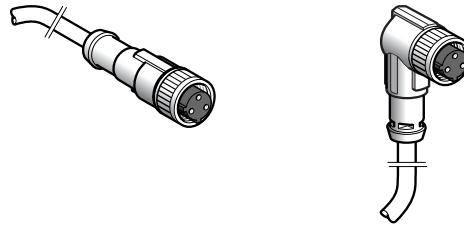


# Machine cabling accessories

OsiSense® XZ

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

11



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

### Catalog Numbers

PUR cable (see page 11/7)	2 m	XZCP1865L2	XZCP1965L2
	5 m	XZCP1865L5	XZCP1965L5
	10 m	XZCP1865L10	XZCP1965L10

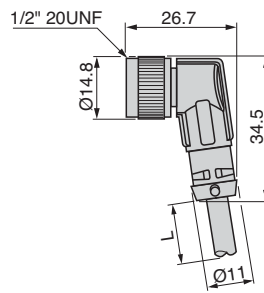
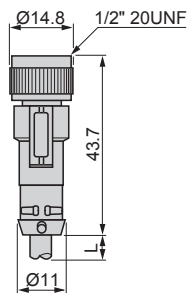
Weight: kg (lb)	2 m: 0.080 (0.176) 5 m: 0.180 (0.397) 10 m: 0.350 (0.772)
-----------------	---

### Specifications

Certification	UL
Connection type	Screw threaded (metal clamping ring)
Degree of protection	IP 67 (with clamping ring correctly tightened)
Ambient air temperature	- 35 to + 80 °C (- 31 to + 176 °F)
Cabling	Ø 5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>
LED indicators	–
Nominal voltage	~ 250 V, --- 300 V
Nominal current	4 A
Insulation resistance	> 10 <sup>9</sup> Ω
Contact resistance	≤ 5 mΩ

### Dimensions

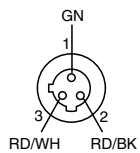
XZCP1865L●	XZCP1965L●
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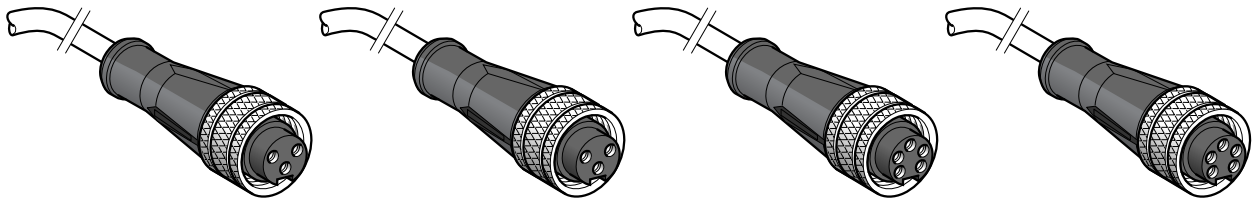


L = 2, 5 or 10 m

### Wiring diagrams

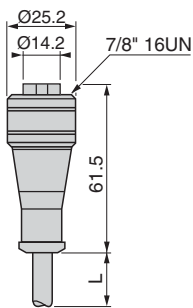
XZCP1●65L●
------------





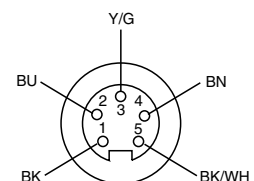
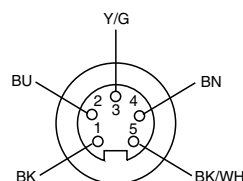
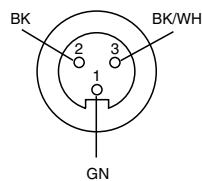
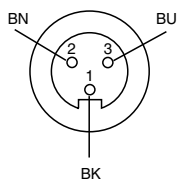
Female, 7/8" 16UN, straight 3	Female, 7/8" 16UN, straight	Female, 7/8" 16UN, straight 5	Female, 7/8" 16UN, straight
<b>XZCP1662L2</b>	<b>XZCP1670L2</b>	<b>XZCP1764L2</b>	<b>XZCP1771L2</b>
<b>XZCP1662L5</b>	<b>XZCP1670L5</b>	<b>XZCP1764L5</b>	<b>XZCP1771L5</b>
-	<b>XZCP1670L10</b>	<b>XZCP1764L10</b>	<b>XZCP1771L10</b>
2 m: 0.180 (0.397) 5 m: 0.420 (0.926)	2 m: 0.180 (0.397) 5 m: 0.420 (0.926) 10 m: 0.820 (1.808)	2 m: 0.185 (0.408) 5 m: 0.460 (1.014) 10 m: 0.900 (1.984)	2 m: 0.190 (0.419) 5 m: 0.475 (1.047) 10 m: 0.950 (2.094)
UL	UL	UL	UL
Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)
IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)
-35 to +80 °C (-31 to +176 °F)	-35 to +80 °C (-31 to +176 °F)	-35 to +80 °C (-31 to +176 °F)	-35 to +80 °C (-31 to +176 °F)
Ø 5 mm cable conductor c.s.a.: 3 x 0.5 mm <sup>2</sup>	Ø 5 mm cable conductor c.s.a.: 3 x 0.5 mm <sup>2</sup>	Ø 5.9 mm cable conductor c.s.a.: 5 x 0.34 mm <sup>2</sup>	Ø 6.7 mm cable conductor c.s.a.: 5 x 0.5 mm <sup>2</sup>
-	-	-	-
~ 250 V	~ 250 V	~ 250 V	~ 250 V
6 A	6 A	4 A	6 A
> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ

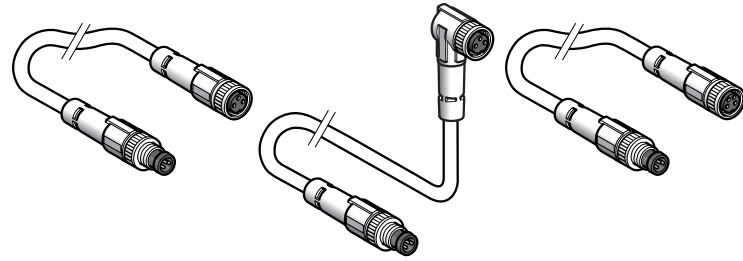
**XZCP1662L●, XZCP1670L●, XZCP1764L●, XZCP1771L●**



L = 2, 5 or 10 m

**XZCP1662L●      XZCP1670L●      XZCP1764L●      XZCP1771L●**

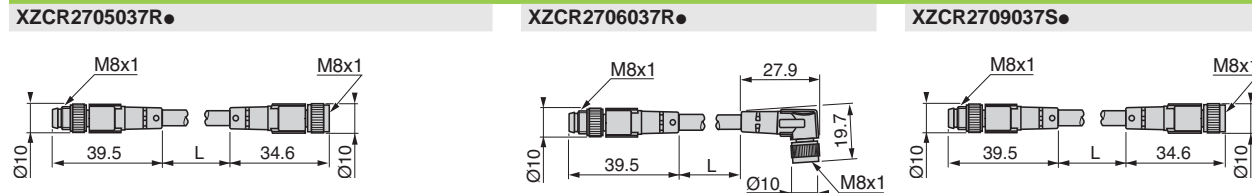




Male connector type	M8, 3-pin, straight			
Female connector type	M8, 3-pin, straight	M8, 3-pin, elbowed	M8, 4-pin, straight	
Number of conductors	3	3	3	
<b>Catalog Numbers</b>				
PUR cable	1 m	XZCR2705037R1	XZCR2706037R1	XZCR2709037S1
	2 m	XZCR2705037R2	XZCR2706037R2	XZCR2709037S2
Weight: kg (lb)	1 m	0.060 (0.132)		
	2 m	0.090 (0.198)		

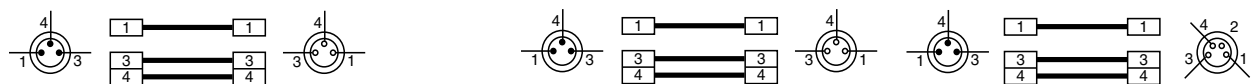
<b>Specifications</b>		
Certification	UL	
Connection type	Male: screw threaded and clip. Female: screw threaded. Metal clamping ring.	
Degree of protection	IP 67	
Ambient air temperature	Static cable	- 35 to + 90 °C (- 31 to + 194 °F)
	Flexing cable	- 5 to + 90 °C (+ 23 to + 194 °F)
Conductor c.s.a.	3 x 0.34 mm <sup>2</sup>	
Cable diameter	5.2 mm	
Nominal voltage	~ 60 V, ~ 45 V	
Nominal current	4 A	
Insulation resistance	> 10 <sup>9</sup> Ω	
Contact resistance	≤ 5 mΩ	

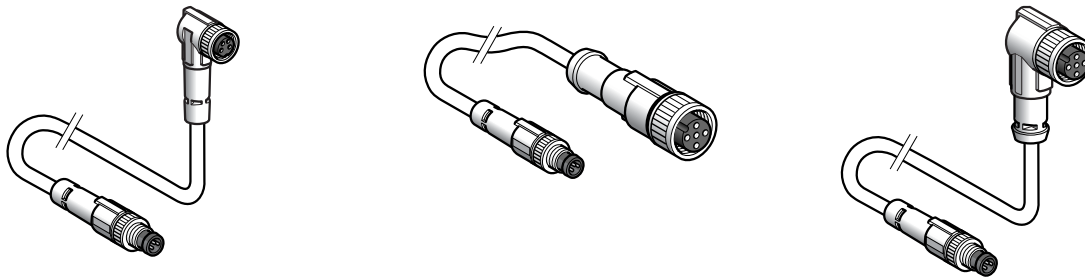
**Dimensions**



L = 1 or 2 m

**Wiring diagrams**

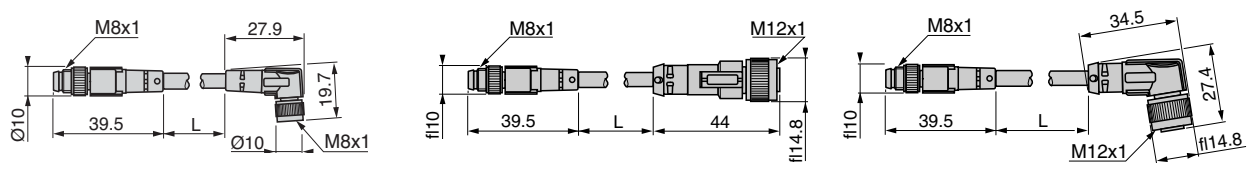




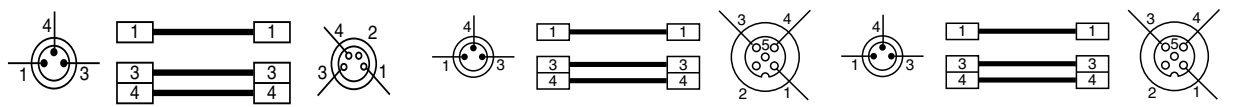
M8, 3-pin, straight		
M8, 4-pin, elbowed	M12, 5-pin, straight	M12, 5-pin, elbowed
3	3	3
<b>XZCR2710037S1</b>	<b>XZCR2711037T1</b>	<b>XZCR2712037T1</b>
<b>XZCR2710037S2</b>	<b>XZCR2711037T2</b>	<b>XZCR2712037T2</b>
0.060 (0.132)	0.065 (0.143)	0.065 (0.143)
0.090 (0.198)	0.093 (0.205)	0.093 (0.205)

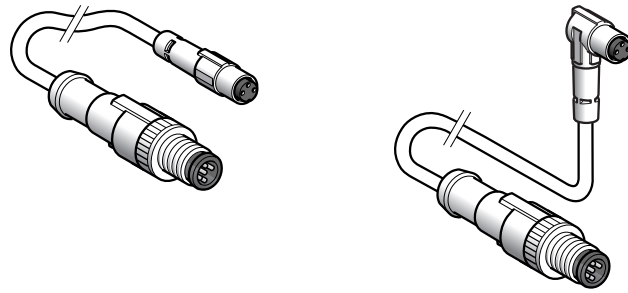
UL
Male: screw threaded and clip. Female: screw threaded. Metal clamping ring
IP 67
- 35 to + 90 °C (- 31 to + 194 °F)
- 5 to + 90 °C (+ 23 to + 194 °F)
3 x 0.34 mm <sup>2</sup>
5.2 mm
~ 60 V, --- 45 V
4 A
> 10 <sup>9</sup> Ω
≤ 5 mΩ

**XZCR2710037S●**      **XZCR2711037T●**      **XZCR2712037T●**



L = 1 or 2 m





	<b>Clip</b>	
<b>Male connector type</b>	M12, 3-pin, straight	
<b>Female connector type</b>	Ø 8 mm, 3-pin, straight	Ø 8 mm, 3-pin, elbowed
<b>Number of conductors</b>	3	

### Catalog Numbers

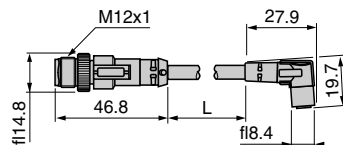
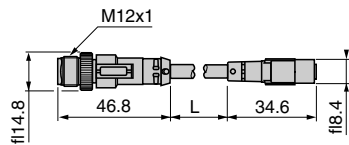
<b>PUR cable</b>	1 m	<b>XZCR1501040G1</b>	<b>XZCR1502040G1</b>
(see page 11/7)	2 m	<b>XZCR1501040G2</b>	<b>XZCR1502040G2</b>
<b>Weight: kg (lb)</b>	1 m: 0.050 (0.110). 2 m: 0.080 (0.176)		

### Specifications

<b>Certification</b>	UL	
<b>Connection type</b>	Male: screw threaded. Female: clip (1)	
<b>Degree of protection</b>	IP 67 (when correctly clipped together or with clamping ring correctly tightened)	
<b>Ambient air temperature</b>	Static cable	- 35 to + 90 °C (- 31 to + 194 °F)
	Flexing cable	- 5 to + 90 °C (+ 23 to + 194 °F)
<b>Conductor c.s.a.</b>	3 x 0.34 mm <sup>2</sup>	
<b>Cable diameter</b>	5.2 mm	
<b>Nominal voltage</b>	~ 60 V, --- 75 V	
<b>Nominal current</b>	4 A	
<b>Insulation resistance</b>	> 10 <sup>9</sup> Ω	
<b>Contact resistance</b>	≤ 5 mΩ	

### Dimensions

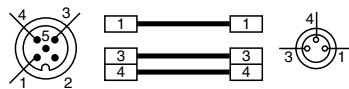
<b>XZCR1501040G●</b>	<b>XZCR1502040G●</b>
----------------------	----------------------



L = 1 or 2 m

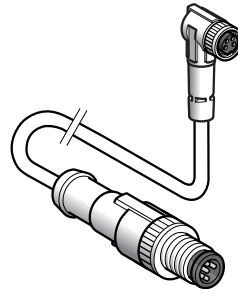
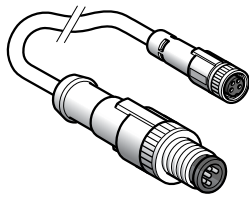
### Wiring diagrams

XZCR1501040G●, XZCR1502040G●



(1) Clip together connector, without clamping ring.





**Screw threaded**

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

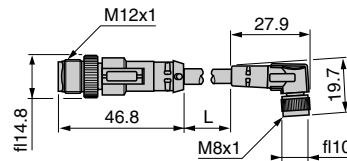
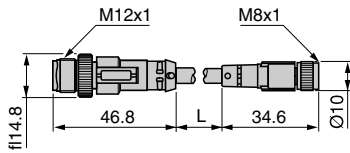
XZCR1509040H1	XZCR1510040H1	XZCR1509041J1	XZCR1510041J1
XZCR1509040H2	XZCR1510040H2	XZCR1509041J2	XZCR1510041J2
1 m: 0.050 (0.110). 2 m: 0.080 (0.176)		1 m: 0.055 (0.121). 2 m: 0.090 (0.198)	

**UL**

Male and female: screw threaded	
IP 67 (with clamping ring correctly tightened)	
- 35 to + 90 °C (- 31 to + 194 °F)	
- 5 to + 90 °C (+ 23 to + 194 °F)	
3 x 0.34 mm <sup>2</sup>	4 x 0.34 mm <sup>2</sup>
5.2 mm	
~ 60 V, --- 75 V	
4 A	
> 10 <sup>9</sup> Ω	
≤ 5 mΩ	

**XZCR1509040H●, XZCR1509041J●**

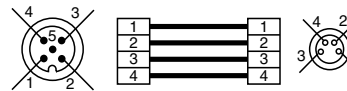
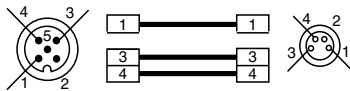
**XZCR1510040H●, XZCR1510041J●**

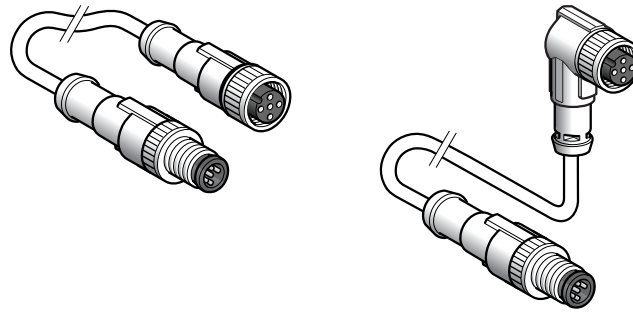


L = 1 or 2 m

**XZCR1509040H●, XZCR1510040H●**

**XZCR1509041J●, XZCR1510041J●**



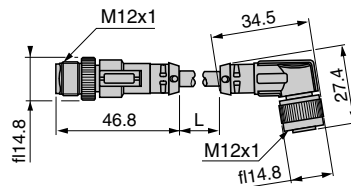
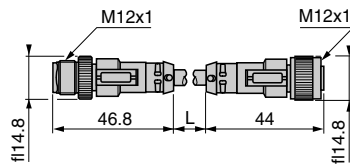


Male connector type	M12, 3-pin, straight			
Female connector type	M12, 3-pin, straight	M12, 3-pin, elbowed	M12, 3-pin, straight	M12, 3-pin, elbowed
Number of conductors	3			

Catalog Numbers					
PUR cable (see page 11/7)	1 m	XZCR1511040A1	XZCR1512040A1	XZCR1511040E1	XZCR1512040E1
	2 m	XZCR1511040A2	XZCR1512040A2	XZCR1511040E2	XZCR1512040E2
Weight: kg (lb)	1 m: 0.065 (0.143). 2 m: 0.095 (0.209)				

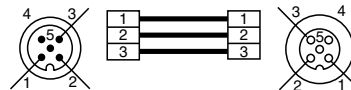
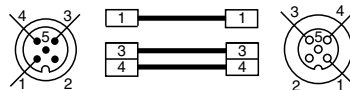
Specifications	
Certification	UL
Connection type	Male and female: screw threaded
Degree of protection	IP 67 (with clamping ring correctly tightened)
Ambient air temperature	Static cable: - 35 to + 90 °C (- 31 to + 194 °F) Flexing cable: - 5 to + 90 °C (+ 23 to + 194 °F)
Conductor c.s.a.	3 x 0.34 mm <sup>2</sup>
Cable diameter	5.2 mm
Nominal voltage	~ 250 V, --- 300 V
Nominal current	4 A
Insulation resistance	> 10 <sup>9</sup> Ω
Contact resistance	≤ 5 mΩ

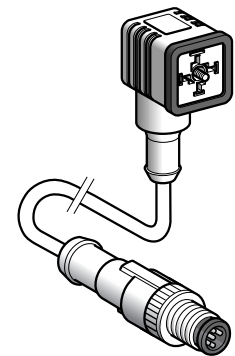
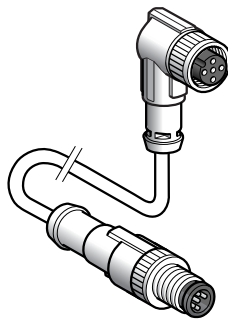
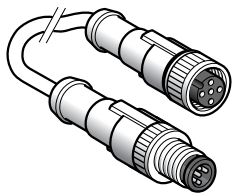
Dimensions	
XZCR1511040A●, XZCR1511040E●	XZCR1512040A●, XZCR1512040E●



L = 1 or 2 m

Wiring diagrams	
XZCR1511040A●, XZCR1511040E●	XZCR1511040E●, XZCR1512040E●



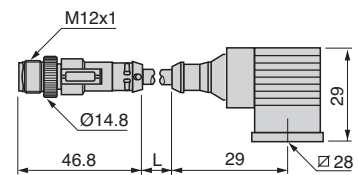
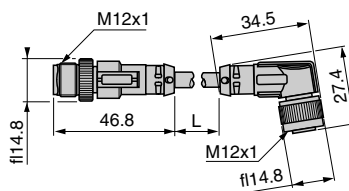
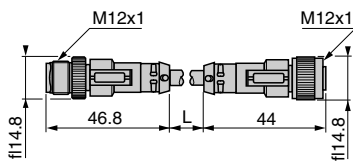


M12, 3-pin, straight	M12, 3-pin, elbowed	M12, 3-pin, straight	M12, 3-pin, elbowed	DIN 43650 A, elbowed
M12, 3-pin, straight				
3				

<b>XZCR1511062B1</b>	<b>XZCR1512062B1</b>	<b>XZCR1511062F1</b>	<b>XZCR1512062F1</b>	<b>XZCR1523062K1</b>
<b>XZCR1511062B2</b>	<b>XZCR1512062B2</b>	<b>XZCR1511062F2</b>	<b>XZCR1512062F2</b>	<b>XZCR1523062K2</b>
1 m: 0.065 (0.143). 2 m: 0.095 (0.209)				1 m: 0.110 (0.243) 2 m: 0.140 (0.309)

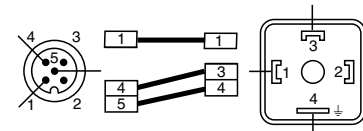
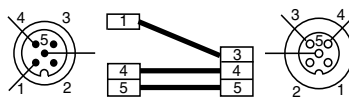
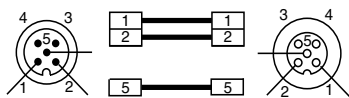
UL	-
Male and female: screw threaded	
IP 67 (with clamping ring correctly tightened)	
-35 to +90 °C (-31 to +194°F)	
-5 to +90 °C (+23 to +194 °F)	
3 x 0.5 mm <sup>2</sup>	3 x 0.50 mm <sup>2</sup>
5.2 mm	4.5 mm
~ 30 V, ≍ 36 V	
4 A	
> 10 <sup>9</sup> Ω	
≤ 5 mΩ	

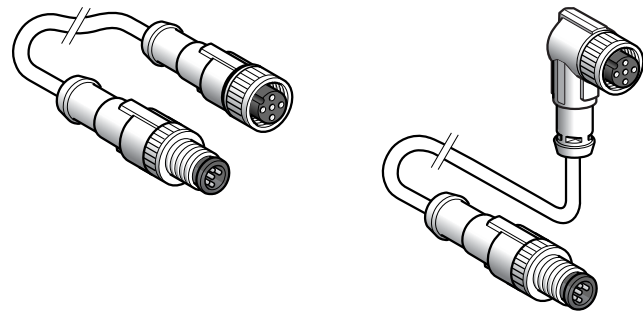
<b>XZCR1511062B●, XZCR1511062F●</b>	<b>XZCR1512062B●, XZCR1512062F●</b>	<b>XZCR1523062K●</b>
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L = 1 or 2 m

<b>XZCR1511062B●, XZCR1512062B●</b>	<b>XZCR1511062F●, XZCR1512062F●</b>	<b>XZCR1523062K●</b>
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Male connector type	M12, 4-pin, straight	
Female connector type	M12, 4-pin, straight	M12, 4-pin, elbowed
Number of conductors	4	

**Catalog Numbers**

PUR cable (see page 11/7)	1 m	XZCR1511041C1	XZCR1512041C1
	2 m	XZCR1511041C2	XZCR1512041C2

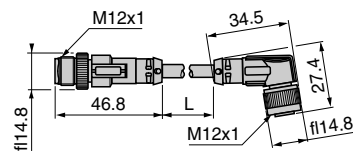
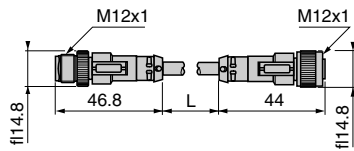
Weight: kg (lb)	1 m: 0.065 (0.143). 2 m: 0.095 (0.209)		
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**Specifications**

Certification	UL		
Connection type	Male and female: screw threaded		
Degree of protection	IP 67 (with clamping ring correctly tightened)		
Ambient air temperature	Static cable	- 35 to + 90 °C (- 31 to + 194 °F)	
	Flexing cable	- 5 to + 90 °C (+ 23 to + 194 °F)	
Conductor c.s.a.	4 x 0.34 mm <sup>2</sup>		
Cable diameter	5.2 mm		
Nominal voltage	~ 250 V, --- 300 V		
Nominal current	4 A		
Insulation resistance	> 10 <sup>9</sup> Ω		
Contact resistance	≤ 5 mΩ		

**Dimensions**

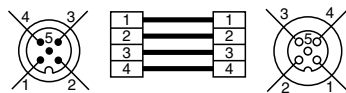
XZCR1511041C●	XZCR1512041C●
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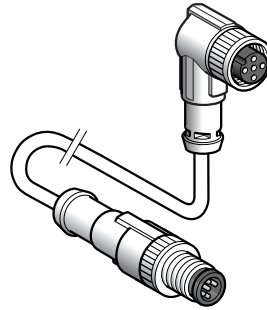
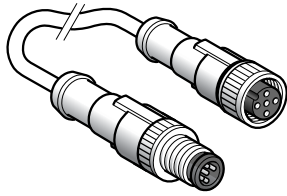


L = 1 or 2 m

**Wiring diagrams**

XZCR1511041C●, XZCR1512041C●
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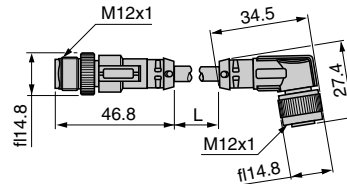
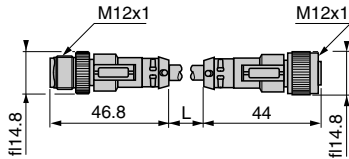
M12, 5-pin, straight	M12, 5-pin, straight	M12, 5-pin, elbowed
5		

<b>XZCR1511064D1</b>	<b>XZCR1512064D1</b>
<b>XZCR1511064D2</b>	<b>XZCR1512064D2</b>

1 m: 0.080 (0.176). 2 m: 0.130 (0.287)

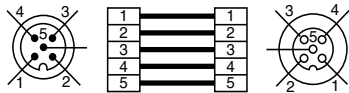
UL
Male and female: screw threaded
IP 67 (with clamping ring correctly tightened)
- 35 to + 90 °C (- 31 to + 194 °F)
- 5 to + 90 °C (+ 23 to + 194 °F)
4 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>
5.9 mm
~ 30 V, --- 36 V
4 A
> 10 <sup>9</sup> Ω
≤ 5 mΩ

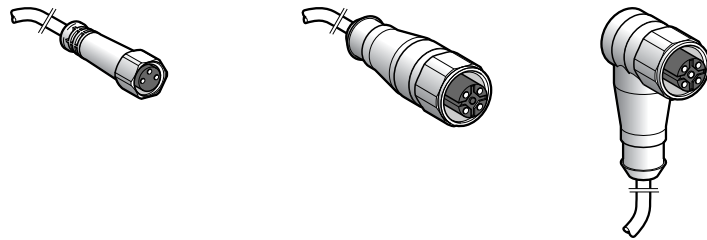
<b>XZCR1511064D●</b>	<b>XZCR1512064D●</b>
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L = 1 or 2 m

<b>XZCR1511064D●, XZCR1512064D●</b>
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Connector type	Female, M8, straight	Female, M8, straight	Female, M12, straight	Female, M12, elbowed	Female, M12, elbowed
Number of pins	3	4	4	4	5

### Catalog Numbers

PVC cable (see page 11/7)	2 m	–	–	XZCPA1141L2	XZCPA1241L2	XZCPA1164L2
	5 m	XZCPA0566L5	XZCPA0941L5	XZCPA1141L5	XZCPA1241L5	XZCPA1164L5
	10 m	XZCPA0566L10	XZCPA0941L10	XZCPA1141L10	XZCPA1241L10	XZCPA1164L10
Weight: kg (lb)	2 m	–	–	0.090 (0.198)	0.090 (0.198)	0.110 (0.243)
	5 m	0.175 (0.386)	0.200 (0.441)	0.210 (0.463)	0.210 (0.463)	0.250 (0.551)
	10 m	0.340 (0.750)	0.400 (0.882)	0.410 (0.904)	0.410 (0.904)	0.485 (1.069)

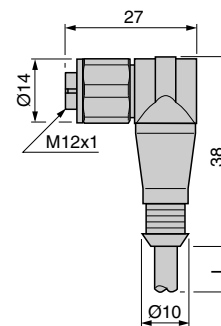
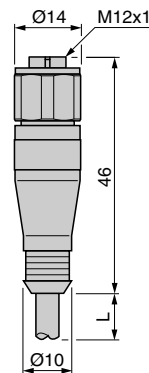
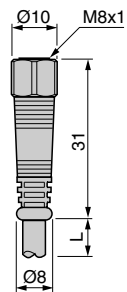
### Specifications

Connection type	Screw threaded, smooth, hexagonal, stainless steel 316L clamping ring (1)				
Clamping ring dimension	9 mm		14 mm		
Degree of protection	IP 68		IP 69K		
Ambient air temperature	Static cable usage	- 25 to + 85 °C (- 13 to + 185 °F)			
Cabling	Cable	Ø 5.0 mm	Ø 5.3 mm	Ø 5.3 mm	Ø 5.7 mm
	Conductor c.s.a.	3 x 0.34 mm²	4 x 0.34 mm²	4 x 0.34 mm²	5 x 0.34 mm²
Nominal voltage	~ 60 V, --- 75 V		~ 250 V, --- 300 V		
Nominal current	4 A		4 A		
Insulation resistance	> 10 <sup>9</sup> Ω		> 10 <sup>9</sup> Ω		
Contact resistance	≤ 5 mΩ		≤ 5 mΩ		

(1) Tightening by hand recommended

### Dimensions

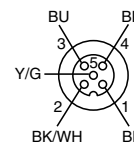
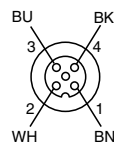
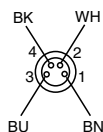
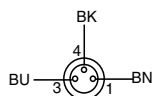
XZCPA0566L●, XZCPA0941L●	XZCPA1141L●	XZCPA1241L●, XZCPA1164L●
--------------------------	-------------	--------------------------

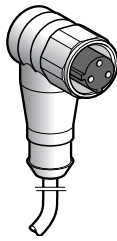
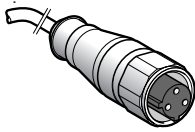


L = 2, 5 or 10 m

### Wiring diagrams

XZCPA0566L●	XZCPA0941L●	XZCPA1141L●, XZCPA1241L●	XZCPA1164L●
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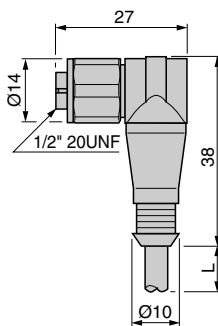
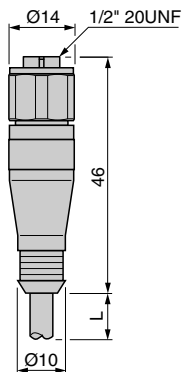


Female, 1/2" 20UNF, straight	Female, 1/2" 20UNF, elbowed
3	3
-	-
XZCPA1865L5	XZCPA1965L5
XZCPA1865L10	XZCPA1965L10
-	-
0.210 (0.463)	0.250 (0.551)
0.410 (0.904)	0.485 (1.069)
Screw threaded, smooth, hexagonal, stainless steel 316L clamping ring (1)	
14 mm	
IP 69K	
- 25 to + 85 °C (- 13 to + 185 °F)	
Ø 5.0 mm	
3 x 0.34 mm <sup>2</sup>	3 x 0.34 mm <sup>2</sup>
~ 250 V, ~ 300 V	~ 250 V, ~ 300 V
4 A	4 A
> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
≤ 5 mΩ	≤ 5 mΩ

(1) Tightening by hand recommended

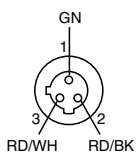
**XZCPA1865L●**

**XZCPA1965L●**



L = 5 or 10 mm

**XZCPA1865L●, XZCPA1965L●**





<b>Male connector type</b>	M12, 4-pin, straight	M12, 3-pin, straight
<b>Female connector type</b>	M8, 4-pin, straight	M12, 3-pin, straight
<b>Number of conductors</b>	4	3

**Catalog Numbers**

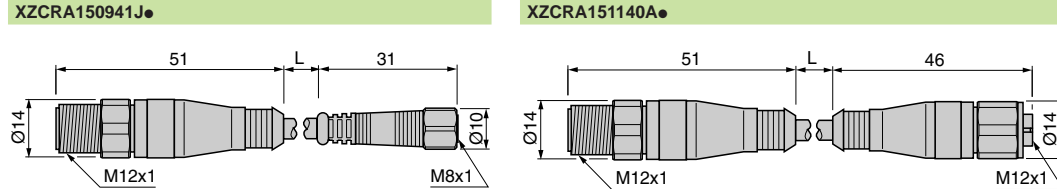
<b>PVC cable</b> (see page 11/7)	2 m	<b>XZCRA150941J2</b>	<b>XZCRA151140A2</b>
	5 m	<b>XZCRA150941J5</b>	<b>XZCRA151140A5</b>
<b>Weight: kg (lb)</b>	2 m	0.100 (0.220)	0.095 (0.209)
	5 m	0.210 (0.463)	0.200 (0.440)

**Specifications**

<b>Connection type</b>	Screw threaded, smooth, hexagonal, stainless steel 316L clamping ring (1)	
<b>Clamping ring dimension</b>	14/9 mm	14 mm
<b>Degree of protection</b>	IP 68	
<b>Ambient air temperature</b>	Static cable usage	- 25 to + 85 °C (- 13 to + 185 °F)
<b>Cabling</b>	Cable	Ø 5.3 mm
	Conductor c.s.a.	4 x 0.34 mm <sup>2</sup>
<b>Nominal voltage</b>	~ 60 V, ~ 75 V	
<b>Nominal current</b>	4 A	
<b>Insulation resistance</b>	> 10 <sup>9</sup> Ω	
<b>Contact resistance</b>	≤ 5 mΩ	

(1) Tightening by hand recommended

**Dimensions**

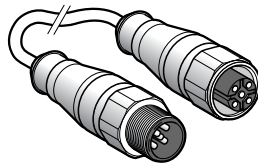
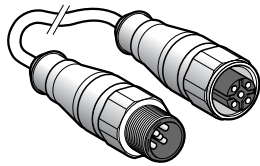


L = 2 or 5 m

**Wiring diagrams**





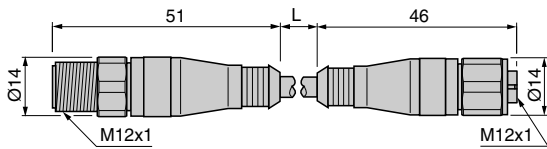
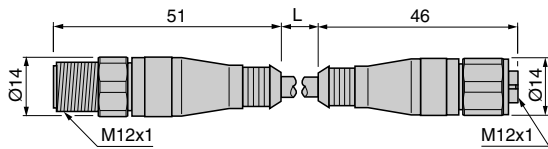


M12, 4-pin, straight	M12, 5-pin, straight
M12, 4-pin, straight	M12, 5-pin, straight
4	5
<b>XZCRA151141C2</b>	<b>XZCRA151164D2</b>
<b>XZCRA151141C5</b>	<b>XZCRA151164D5</b>
0.105 (0.231)	0.120 (0.265)
0.220 (0.485)	0.260 (0.573)
Screw threaded, smooth, hexagonal, stainless steel 316L clamping ring (1)	
14 mm	
IP 69K	
- 25 to + 85 °C (- 13 to + 185 °F)	
Ø 5.3 mm	Ø 5.7 mm
4 x 0.34 mm <sup>2</sup>	5 x 0.34 mm <sup>2</sup>
~ 250 V, ~ 300 V	
4 A	
> 10 <sup>9</sup> Ω	
≤ 5 mΩ	

(1) Tightening by hand recommended

**XZCRA151141C●**

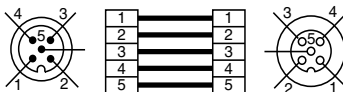
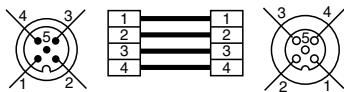
**XZCRA151164D●**

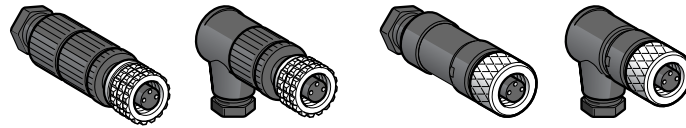


L = 2 or 5 m

**XZCRA151141C●**

**XZCRA151164D●**



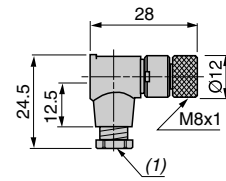
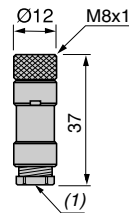
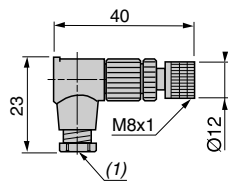
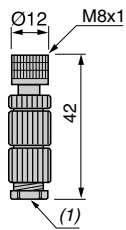


Connector type	Female, M8, straight	Female, M8, elbowed	Female, M8, straight	Female, M8, elbowed
Number of pins	3			
Cable connection	By axial IDC (insulation displacement connector)		To solder terminals	

Catalog Numbers					
Plastic body	Metal clamping ring	XZCC8FDM30V	XZCC8FCM30V	XZCC8FDM30S	XZCC8FCM30S
	Plastic clamping ring	-			
Weight: kg (lb)	0.010 (0.022)				

Specifications		
Connection type	Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)
Degree of protection	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)
Ambient air temperature	- 25 to + 70 °C (- 13 to + 158 °F)	- 40 to + 85 °C (- 40 to + 185 °F)
Cabling	By IDC. Conductor diameter: 1 to 1.55 mm (18 to 14 AWG) Cable gland: M9.5 x 1. Maximum clamping capacity: 5 mm	To solder terminals. Maximum conductor c.s.a.: 0.25 mm² (23 AWG) 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	
Insulation resistance	> 10 <sup>9</sup> Ω	
Contact resistance	≤ 10 mΩ	

Dimensions			
XZCC8FDM30V	XZCC8FCM30V	XZCC8FDM30S	XZCC8FCM30S



(1) Cable gland: M9.5 x 1

Wiring diagrams	
XZCC8FDM30●, XZCC8FCM30●	





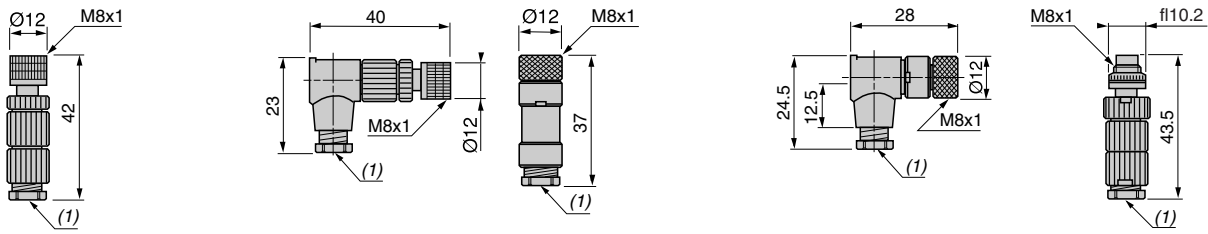
Female, M8, straight	Female, M8, elbowed	Female, M8, straight	Female, M8, elbowed	Male, M8, straight
4				3

By axial IDC insulation displacement connector)	To solder terminals
---	---------------------

<b>XZCC8FDM40V</b>	<b>XZCC8FCM40V</b>	<b>XZCC8FDM40S</b>	<b>XZCC8FCM40S</b>	<b>XZCC8MDM30V</b>
-				
0.010 (0.022)				

Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)
IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)	IP 67 (with clamping ring correctly tightened)
- 25 to + 70 °C (- 13 to + 158 °F)	- 40 to + 85 °C (- 40 to + 185 °F)	- 40 to + 85 °C (- 40 to + 185 °F)
By IDC. Conductor diameter: 1 to 1.55 mm (18 to 14 AWG) Cable gland: M9.5 x 1. Maximum clamping capacity: 5 mm	To solder terminals. Maximum conductor c.s.a.: 0.25 mm² (23 AWG) Cable gland: M9.5 x 1. Maximum clamping capacity: 5 mm	By IDC. Maximum conductor c.s.a.: 0.25 mm² (23 AWG) Cable gland: M9.5 x 1. Maximum clamping capacity: 5 mm
-	-	-
~ 60 V, ≐ 75 V	~ 60 V, ≐ 75 V	~ 60 V, ≐ 75 V
4 A	4 A	4 A
> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
≤ 10 mΩ	≤ 5 mΩ	≤ 5 mΩ

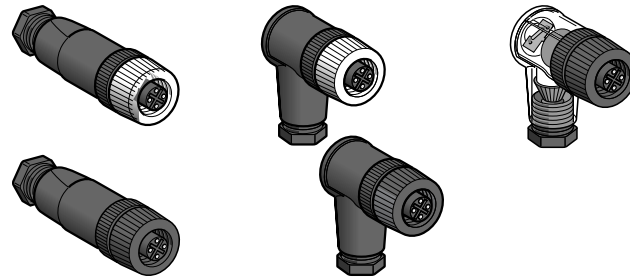
<b>XZCC8FDM40V</b>	<b>XZCC8FCM40V</b>	<b>XZCC8FDM40S</b>	<b>XZCC8FCM40S</b>	<b>XZCC8MDM30V</b>
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(1) Cable gland: M9.5 x 1

<b>XZCC8FDM40●, XZCC8FCM40●</b>	<b>XZCC8MDM30V</b>
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Connector type	Female, M12, straight	Female, M12, elbowed	Female, M12, elbowed
Number of pins	4		
Cable connection	To screw terminals		

### Catalog Numbers

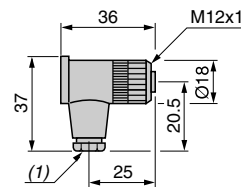
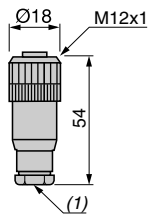
Plastic body	Metal clamping ring	XZCC12FDM40B	XZCC12FCM40B	-
	Plastic clamping ring	XZCC12FDP40B	XZCC12FCP40B	XZCC12FCP42B
Weight: kg (lb)	0.020 (0.044)			

### Specifications

Connection type	Screw threaded (plastic or metal clamping ring, depending on model)		
Degree of protection	IP 67 (with clamping ring correctly tightened)		
Ambient air temperature	- 40 to + 85 °C (- 40 to + 185 °F)		
Cabling	To screw terminals. Maximum conductor c.s.a.: 0.75 mm <sup>2</sup> . (19 AWG) Cable gland: n° 7 plastic (Pg 7). Clamping capacity: 3 to 6 mm		
LED indicators	-	2 PNP LEDs	
Nominal voltage	~ 125 V, ∴ 150 V	∴ 10 to 30 V	
Nominal current	3 A	3 A	
Insulation resistance	> 10 <sup>12</sup> Ω	> 10 <sup>12</sup> Ω	
Contact resistance	≤ 8 mΩ	≤ 8 mΩ	

### Dimensions

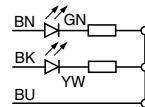
XZCC12FD●40B	XZCC12FC●40B, XZCC12FCP42B
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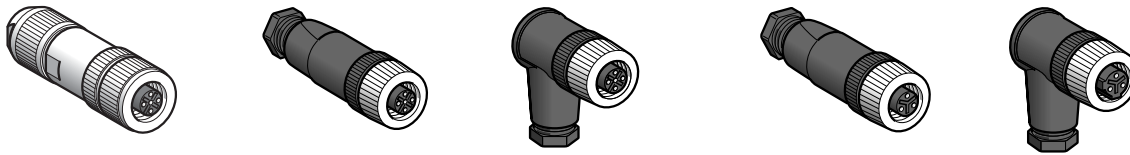


(1) Cable gland: n° 7 plastic (Pg 7)

### Wiring diagrams

XZCC12FD●40B, XZCC12FC●40B, XZCC12FCP42B	LED connection for XZCC12FCP42B
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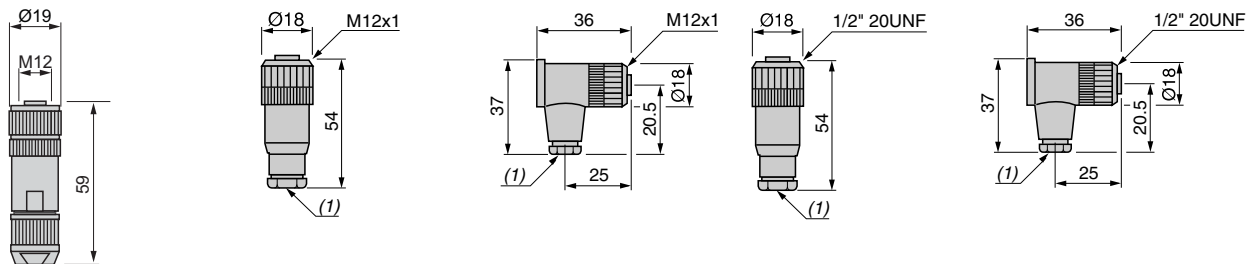


Female, M12, straight, shielded	Female, M12, straight	Female, M12, elbowed	Female, 1/2" 20UNF, straight	Female, 1/2" 20UNF, elbowed
5	5		3	
To spring terminals	To screw terminals			

<b>XZCC12FDB50R</b>	<b>XZCC12FDM50B</b>	<b>XZCC12FCM50B</b>	<b>XZCC20FDM30B</b>	<b>XZCC20FCM30B</b>
-	-			
0.050 (0.110)	0.020 (0.044)			

Screw threaded (metal clamping ring)				
IP 67 (with clamping ring correctly tightened)			IP 67 (with clamping ring correctly tightened)	
- 40 to + 85 °C (- 40 to + 185 °F)			- 40 to + 85 °C (- 40 to + 185 °F)	
To spring terminals Maximum conductor c.s.a.: 0.5 mm <sup>2</sup> . (20 AWG) Clamping capacity: 4 to 8 mm		To screw terminals. Maximum conductor c.s.a.: 0.75 mm <sup>2</sup> . (19 AWG) Cable gland: n° 7 plastic (Pg 7). Clamping capacity: 3 to 6 mm		
-		-		
~ 30 V, --- 36 V		~ 250 V		
4 A		4 A		
> 10 <sup>12</sup> Ω		> 10 <sup>12</sup> Ω		
≤ 8 mΩ		≤ 8 mΩ		

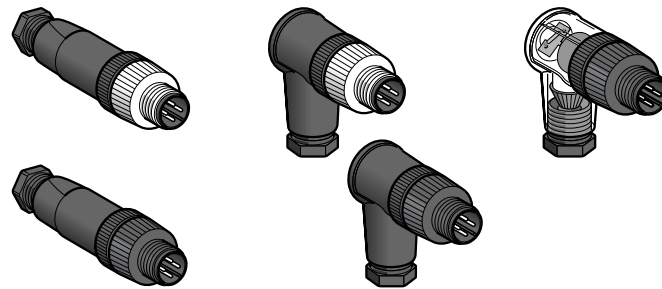
<b>XZCC12FDB50R</b>	<b>XZCC12FDM50B</b>	<b>XZCC12FCM50B</b>	<b>XZCC20FDM30B</b>	<b>XZCC20FCM30B</b>
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(1) Cable gland: n° 7 plastic (Pg 7)

<b>XZCC12FDB50R, XZCC12F●M50B</b>	<b>XZCC20F●M30B</b>
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Connector type	Male, M12, straight	Male, M12, elbowed	Male, M12, elbowed
Number of pins	4		
Cable connection	To screw terminals		

### Catalog Numbers

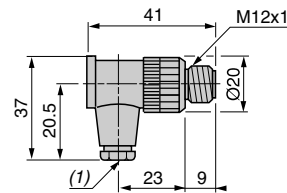
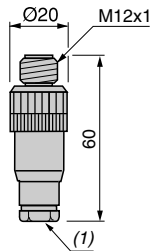
Plastic body	Metal clamping ring	XZCC12MDM40B	XZCC12MCM40B	-
	Plastic clamping ring	XZCC12MDP40B	XZCC12MCP40B	XZCC12MCP42B
Weight: kg (lb)	0.025 (0.055)			

### Specifications

Connection type	Screw threaded (plastic or metal clamping ring, depending on model)		
Degree of protection	IP 67 (with clamping ring correctly tightened)		
Ambient air temperature	- 40 to + 85 °C (- 40 to + 185 °F)		
Cabling	To screw terminals. Maximum conductor c.s.a.: 0.75 mm <sup>2</sup> . (19 AWG) Cable gland: n° 7 plastic (Pg 7). Clamping capacity: 3 to 6 mm		
LED indicators	-	2 PNP LEDs	
Nominal voltage	~ 125 V, ∴ 150 V	∴ 10 to 30 V	
Nominal current	3 A	3 A	
Insulation resistance	> 10 <sup>12</sup> Ω	> 10 <sup>12</sup> Ω	
Contact resistance	≤ 8 mΩ	≤ 8 mΩ	

### Dimensions

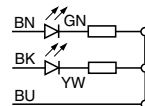
XZCC12MD●40B	XZCC12MC●40B, XZCC12MCP42B
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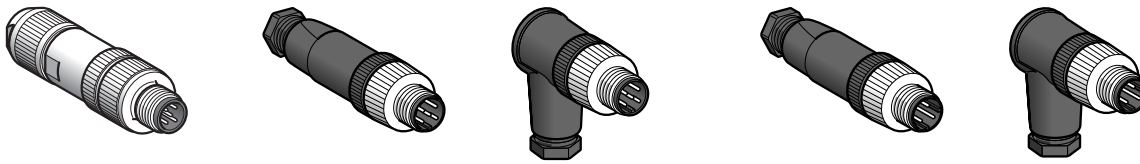


(1) Cable gland: n° 7 plastic (Pg 7)

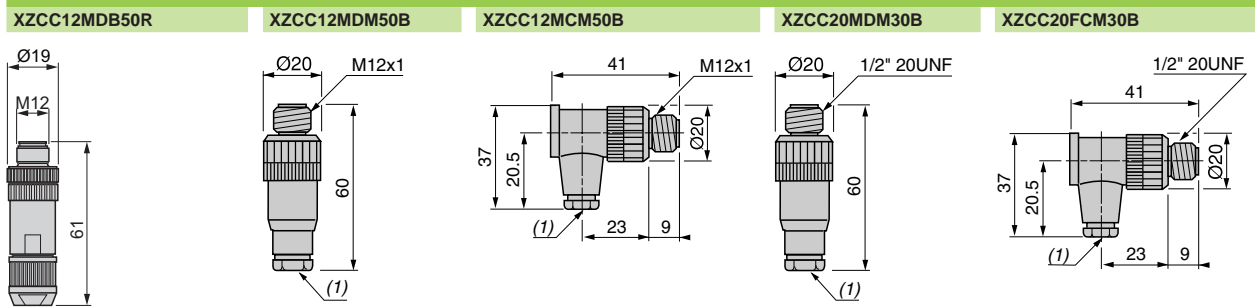
### Wiring diagrams

XZCC12MD●40B, XZCC12MC●40B, XZCC12MCP42B	LED connection for XZCC12MCP42B
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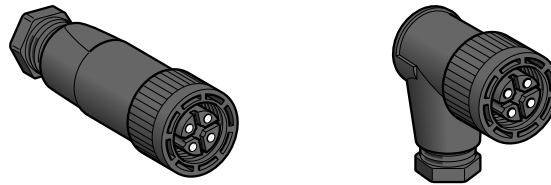
Male, M12, straight	Male, M12, straight	Male, M12, elbowed	Male, 1/2" 20UNF, straight	Male, 1/2" 20UNF, elbowed
5	5		3	
To spring terminals	To screw terminals			
<b>XZCC12MDB50R</b>	<b>XZCC12MDM50B</b>	<b>XZCC12MCM50B</b>	<b>XZCC20MDM30B</b>	<b>XZCC20MCM30B</b>
	-			
0.050 (0.110)	0.025 (0.055)			
Screw threaded (metal clamping ring)				
IP 67 (with clamping ring correctly tightened)				
- 40 to + 85 °C ( - 40 to + 185 °F)				
To spring terminals Maximum conductor c.s.a.: 0.5 mm <sup>2</sup> . (20 AWG) Clamping capacity: 4 to 8 mm	To screw terminals. Maximum conductor c.s.a.: 0.75 mm <sup>2</sup> . (19 AWG) Cable gland: n° 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 <sup>12</sup> Ω	> 10 <sup>12</sup> Ω		> 10 <sup>12</sup> Ω	
≤ 8 mΩ	≤ 8 mΩ		≤ 8 mΩ	



(1) Cable gland: n° 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	

### Catalog Numbers

Plastic body	Metal clamping ring	–
	Plastic clamping ring	XZCC18FDP40B
Weight: kg (lb)	0.035 (0.077)	

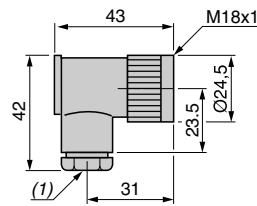
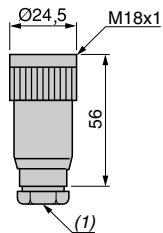
### Specifications

Connection type	Screw threaded (plastic clamping ring)
Degree of protection	IP 65 (with clamping ring correctly tightened)
Ambient air temperature	- 40 to + 85 °C (- 40 to + 185 °F)
Cabling	To screw terminals. Maximum conductor c.s.a.: 1.5 mm <sup>2</sup> . (15 AWG) Cable gland: n° 9 plastic (Pg 9). Clamping capacity: 5 to 8 mm
LED indicators	–
Nominal voltage	~ 250 V
Nominal current	16 A
Insulation resistance	> 10 <sup>12</sup> Ω
Contact resistance	≤ 10 mΩ

### Dimensions

XZCC18FDP40B

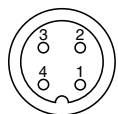
XZCC18FCP40B



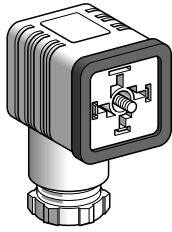
(1) Cable gland: n° 9 plastic (Pg 9)

### Wiring diagrams

XZCC18F•P40B







Female, DIN 43650 A, elbowed

4

To screw terminals

**XZCC43FCP40B**

0.035 (0.077)

With locking screw

IP 65 (with connector correctly locked)

- 40 to + 125 °C (- 40 to + 257 °F)

To screw terminals.  
 Maximum conductor c.s.a.: 1.5 mm<sup>2</sup>. (15 AWG)  
 Cable gland: n° 11 plastic (Pg 11).  
 Clamping capacity: 7 to 10 mm

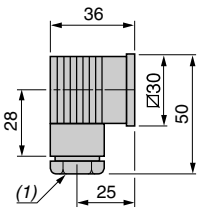
~ 250 V

16 A

> 10<sup>8</sup> Ω

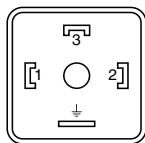
≤ 4 mΩ

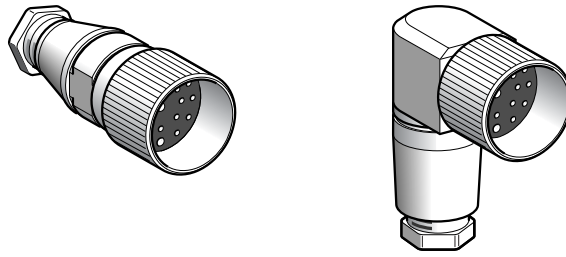
**XZCC43FCP40B**



(1) Cable gland: n° 11 plastic (Pg 11)

**XZCC43FCP40B**





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

**Catalog Numbers**

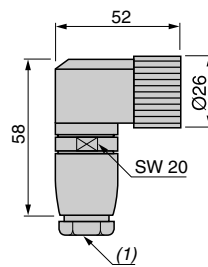
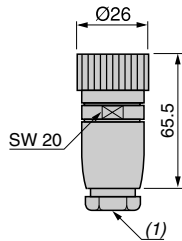
Metal body and metal clamping ring	Contacts numbered anti-clockwise	<b>XZCC23FDM190S</b>	<b>XZCC23FCM190S</b>
Weight: kg (lb)		0.080 (0.176)	0.150 (0.331)

**Specifications**

Connection type	Screw threaded (metal clamping ring)
Degree of protection	IP 65 (with clamping ring correctly tightened)
Ambient air temperature	- 25 to + 110 °C (- 13 to + 230 °F)
Cabling	To solder terminals. Maximum conductor c.s.a.: 1 mm <sup>2</sup> (17 AWG) Cable gland: n° 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 <sup>16</sup> Ω
Contact resistance	≤ 5 mΩ

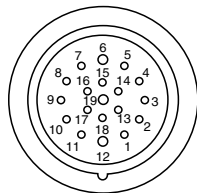
**Dimensions**

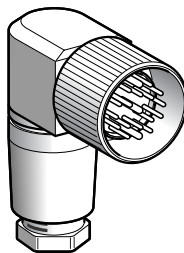
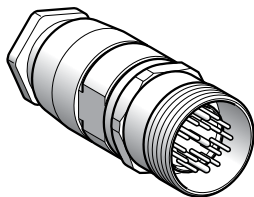
<b>XZCC23FDM190S</b>	<b>XZCC23FCM190S</b>
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(1) Cable gland: n° 13 metal (Pg 13.5)

**Wiring diagrams**  
**XZCC23F•M190S**





Male, M23, straight | Male, M23, elbowed (compatible with enclosure feed-throughs ABE 7ACC82)

19

To solder terminals

**XZCC23MDM190S**

**XZCC23MCM190S**

0.080 (0.176)

0.150 (0.331)

Screw threaded (metal clamping ring)

IP 65 (with clamping ring correctly tightened)

- 25 to + 110 °C (- 13 to + 230 °F)

To solder terminals.  
Maximum conductor c.s.a.: 1 mm<sup>2</sup>. (17 AWG)  
Cable gland: n° 13 metal (Pg 13.5).  
Clamping capacity: 9 to 12 mm

~ 60 V, ≐ 75 V

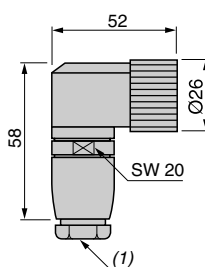
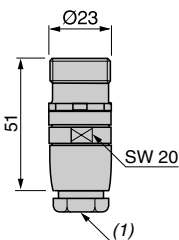
7.5 A

> 10<sup>16</sup> Ω

≤ 5 mΩ

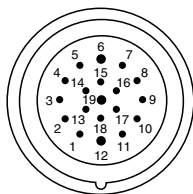
**XZCC23MDM190S**

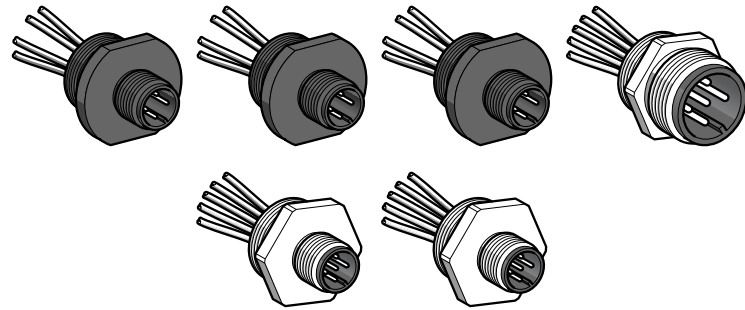
**XZCC23MCM190S**



(1) Cable gland: n° 13 metal (Pg 13.5)

**XZCC23M●M190S**



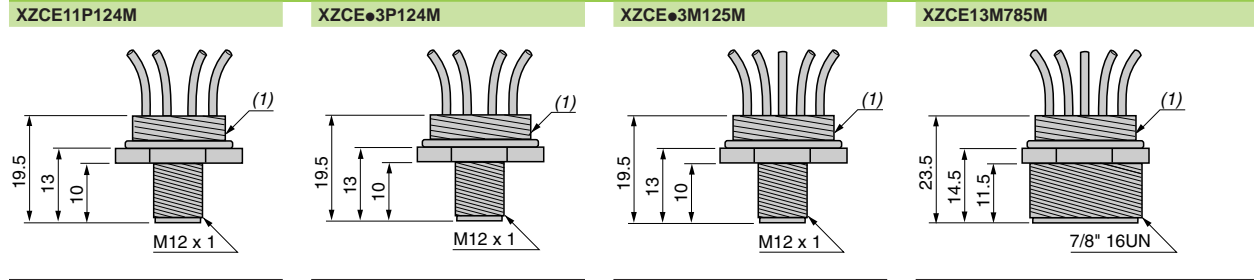


Type of 5-pin connector	M12, male			7/8"-16UN, male
Size of tapped hole	11 (Pg 11)	13 (Pg 13.5)	M20 x 1.5	13 (Pg 13.5)

Catalog Numbers				
4-wire connector adapters, plastic body	XZCE11P124M	XZCE13P124M	XZCE03P124M	-
5-wire connector adapters, metal body	-	XZCE13M125M	XZCE03M125M	XZCE13M785M
Weight: kg (lb)	0.020 (0.044)	4-wire: 0.020 (0.044) 5-wire: 0.025 (0.055)		0.050 (0.110)

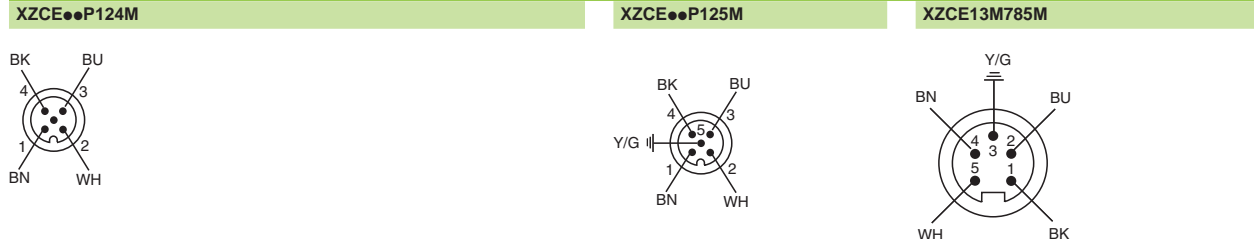
Specifications				
Connection type	Screw threaded			
Degree of protection	IP 67			
Ambient air temperature	- 25 to + 80 °C (- 13 to + 176 °F)			
Cabling	Via 100 mm long wires.			
Conductor c.s.a.	4 x 0.34 mm <sup>2</sup>	XZCE●3P124M: 4 x 0.34 mm <sup>2</sup> XZCE●3M125M: 4 x 0.34 mm <sup>2</sup> + 1 x 0.5 mm <sup>2</sup>		5 x 1 mm <sup>2</sup>
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 <sup>9</sup> Ω			
Contact resistance	≤ 5 mΩ			

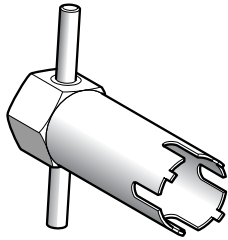
### Dimensions



(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

### Wiring diagrams

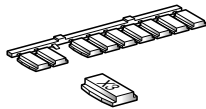




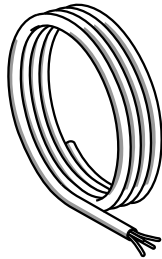
XZCG0223



XZLG102



XZLG101



XZCB4L●●●●

Accessories			
Description	Cable length	Unit catalog number	Weight kg (lb)
<b>Mounting tool</b> for M23 connector		XZCG0223	0.120 (0.265)
<b>Blanking plugs</b> for M12 female connectors (Sold in lots of 10)		XZLG102	0.005 (0.011)
<b>Markers for splitter boxes</b> (Strips of 10 units)		XZLG101	0.010 (0.022)
<b>PvR cables, 4 x 0.5 mm<sup>2</sup></b> (see Specifications, page 11/7)	25 m	XZCB4L0025	1.115 (2.458)
	50 m	XZCB4L0050	2.220 (4.894)
	100 m	XZCB4L0100	4.490 (9.899)
	500 m	XZCB4L0500	25.700 (56.659)
	1000 m	XZCB4L1000	46.300 (102.074)

### Introduction

Passive ABE9 splitter boxes for M12 connectors make it possible to eliminate long and difficult cabling operations. Due their modularity and their dimensions, they are the ideal solution for a wide variety of customer applications.

Connection to the processing unit can either be made by connector or by multicore cable of different lengths.

IP 67 protection allows these products to be used within processes or machines in harsh environments (splashing water, oil, dust, etc.).

The splitter boxes, available in 4 or 8 channel versions, allow connection of up to 16 signals maximum, depending on the version (2 per channel).

The specifications of ABE9 splitter boxes C12 are as follows:

- Connection of sensors and actuators using M12, 5-pin connectors.
- Modularity: 4 or 8 channels.
- Mounting system and connection to the processing unit conforming to market standards:
  - mounting centers,
  - M23, 19-pin connector, enabling the use of pre-formed cables in order to reduce installation time and the risk of error,
  - multicore cable, 5 or 10 meters long. The splitter box comprises a connection cover fitted with plug-in terminals, which provides considerable flexibility for:
    - the replacement of damaged parts,
    - modification of cable length.

Base units ABE9C12●●L●● enable the use of 2 separate commons which, for example, can be used for the management of an emergency stop. This function is accessible beneath the terminal cover using 2 removable links. If both links are removed, the 2 supplies become independent.

The use of a Y-connector allows 2 signals to be connected to the same M12 channel on the splitter box.

Example: splitter box ABE9C1281 (8 channels) enables the connection of 16 signals to the processing unit.

The Y-connector is available in 2 versions:

- M12-M12 for connection of two M12 connectors to a single M12 channel on the splitter box,
- M8-M12 for connection of two M8 connectors to a single M12 channel on the splitter box.

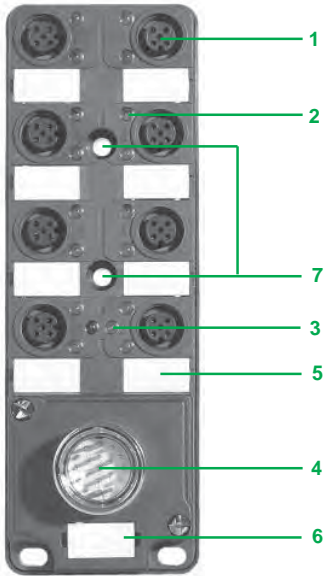
Complete catalog number	= Splitter box only	+ Connector with cable
ABE9C1240L05	= ABE9C1240M	+ ABE9XCA1405
ABE9C1240L10	= ABE9C1240M	+ ABE9XCA1410
ABE9C1241L05	= ABE9C1241M	+ ABE9XCA1405
ABE9C1241L10	= ABE9C1241M	+ ABE9XCA1410
ABE9C1280L05	= ABE9C1280M	+ ABE9XCA1805
ABE9C1280L10	= ABE9C1280M	+ ABE9XCA1810
ABE9C1281L05	= ABE9C1281M	+ ABE9XCA1805
ABE9C1281L10	= ABE9C1281M	+ ABE9XCA1810

### Connector only

ABE9CM12C

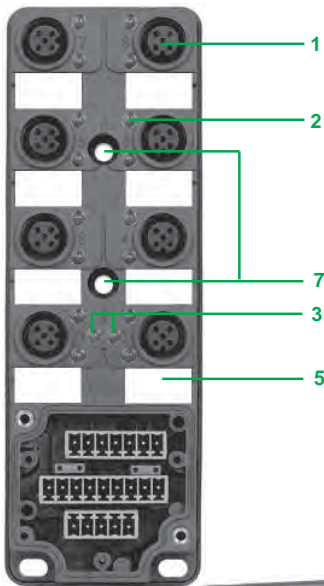
**Description**

Passive ABE9 splitter boxes C12●●C23 have the following on the front face:

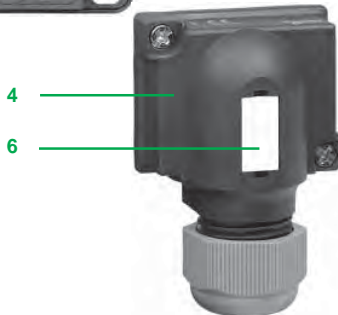


- 1 4 or 8 M12 female connectors (depending on model) for connection of sensors and actuators (2 channels per connector).
- 2 8 or 16 channel status indicator lights (depending on model).
- 3 1 Power On indicator light on the splitter box (depending on model).
- 4 1 M23, 19-pin male connector.
- 5 4 or 8 channel marker labels.
- 6 1 splitter box marker label.
- 7 Splitter box mounting holes.

Passive ABE9 splitter boxes C12●●L●● have the following on the front face:



- 1 4 or 8 M12 female connectors (depending on model) for connection of sensors and actuators (2 channels per connector).
- 2 8 or 16 channel status indicator lights (depending on model).
- 3 2 Power On indicator lights on the splitter box (depending on model).
- 4 1 removable connection cover fitted with plug-in terminals.
- 5 4 or 8 channel marker labels.
- 6 1 splitter box marker label.
- 7 Splitter box mounting holes.



Splitter box type		ABE9C12●0C23	ABE9C12●1C23	ABE9C12●0L●●, ABE9C12●0M	ABE9C12●1L●●, ABE9C12●1M
<b>Environmental specifications</b>					
Product certifications		cULus			
Temperature	Operation	°C (°F)	- 20 to + 80 (- 4 to + 176)		
	Storage	°C (°F)	- 40 to + 85 (- 40 to + 185)		
Degree of protection	Conforming to IEC 529	IP 67			
Vibration resistance	Conforming to IEC 68-2-6, test Fc	Hz	10 ≤ f ≤ 57 (constant amplitude = 1.5 mm) 57 ≤ f ≤ 150 (constant acceleration = 0.20 gn)		
Shock resistance	Conforming to IEC/EN 68-2-2	30 gn, 11 ms			
Insulation group	VDE 0110	Category 3			
Mounting		All positions			
Mechanical mounting		M4 screw mounting			
<b>Channel specifications</b>					
Number of channels		4 or 8 (depending on model)			
Type of connection per channel		M12, 5-pin female connectors			
Nominal voltage		~ V	24		
Current per channel		A	4 maximum		
Contact resistance		m Ω	5		
Power supply status indication		–	Green LED	–	Green LED
Channel status indication		–	Yellow LED	–	Yellow LED
<b>Connection specifications</b>					
Type of connection		M23, 19-pin male connector		Multicore cable	
Total current in commons	1 mm² supply wire	A	16		
	0.75 mm² supply wire	A	12		
Separation of commons		Without		Without or with (by removing links BR1 and BR2, see connections on page 14502/7)	

**Substitution table**

Old range	New range
<b>Splitter boxes with connection by M23 connector</b>	
XZLC1241C3	ABE9C1241C23
XZLC1240C3	ABE9C1240C23
XZLC1281C3	ABE9C1281C23
XZLC1280C3	ABE9C1280C23
<b>Splitter boxes with connection by cable</b>	
XZLC1241L5	ABE9C1241L05
XZLC1240L5	ABE9C1240L05
XZLC1241L10	ABE9C1241L10
XZLC1240L10	ABE9C1240L10
XZLC1281L5	ABE9C1281L05
XZLC1280L5	ABE9C1280L05
XZLC1281L10	ABE9C1281L10
XZLC1280L10	ABE9C1280L10
<b>Accessories</b>	
XZLG102	FTXCM12B
XZLC1220C1	FTXCY1212





ABE9C124●C23



ABE9C128●C23



ABE9C124●L05



ABE9C128●L05



ABE9C128●M



ABE9XCA1●000



### Catalog Numbers

#### Splitter boxes with connection by M23 connector

Number of channels	Connection by	LED indicator	Catalog number	Weight kg (lb)
4	4 x M12 female connectors	With	ABE9C1241C23	0.080 (0.200)
		Without	ABE9C1240C23	0.080 (0.200)
8	8 x M12 female connectors	With	ABE9C1281C23	0.140 (0.300)
		Without	ABE9C1280C23	0.140 (0.300)

#### Splitter boxes with connection by cable

Number of channels	Connection by	Length m	LED indicator	Catalog number	Weight kg (lb)
4	4 x M12 female connectors	5	With	ABE9C1241L05	0.680 (1.500)
			Without	ABE9C1240L05	0.680 (1.500)
		10	With	ABE9C1241L10	1.700 (3.700)
			Without	ABE9C1240L10	1.700 (3.700)
8	8 x M12 female connectors	5	With	ABE9C1281L05	1.610 (3.500)
			Without	ABE9C1280L05	1.610 (3.500)
		10	With	ABE9C1281L10	3.060 (6.700)
			Without	ABE9C1280L10	3.060 (6.700)

#### Splitter boxes only, M12

Number of channels	For use with connector		LED indicator	Catalog number	Weight kg (lb)
	terminal	with cable			
4	ABE9CM12C	ABE9XCA14●●	With	ABE9C1241M	0.060 (0.100)
		Without	ABE9C1240M	0.060 (0.100)	
8	ABE9CM12C	ABE9XCA18●●	With	ABE9C1281M	0.100 (0.200)
			Without	ABE9C1280M	0.100 (0.200)

#### Separate components

Type	No. of channels	For use with splitter box	Length m	Catalog number	Weight kg (lb)
Terminal block connector (1)	-	ABE9C124●M	-	ABE9CM12C	0.040 (0.088)
		ABE9C128●M	-	ABE9CM12C	0.040 (0.088)
Connectors with cable	4	ABE9C124●M	5	ABE9XCA1405	1.060 (2.300)
			10	ABE9XCA1410	2.080 (4.600)
	8	ABE9C128●M	5	ABE9XCA1805	1.510 (3.300)
			10	ABE9XCA1810	2.240 (4.900)

#### Accessories

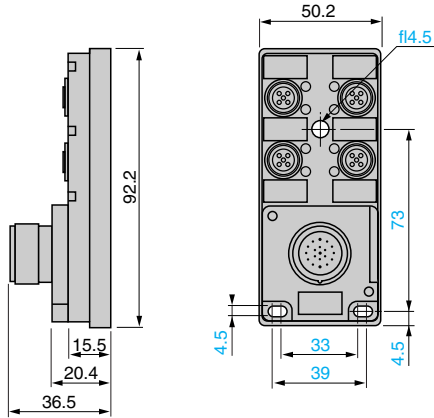
Description	Composition	Catalog number	Weight kg (lb)
Sealing plugs	For M8 connector (lot of 10)	FTX CM08B	0.100 (0.200)
	For M12 connector (lot of 10)	FTX CM12B	0.100 (0.200)
Y-connectors	Connection of 2 x M8 connectors to M12 connector on splitter box	FTX CY1208	0.020 (0.044)
	Connection of 2 x M12 connectors to M12 connector on splitter box	FTX CY1212	0.030 (0.066)
Marker labels	Lot of 12	ABE9XLA10	-

(1) To be cabled by user.

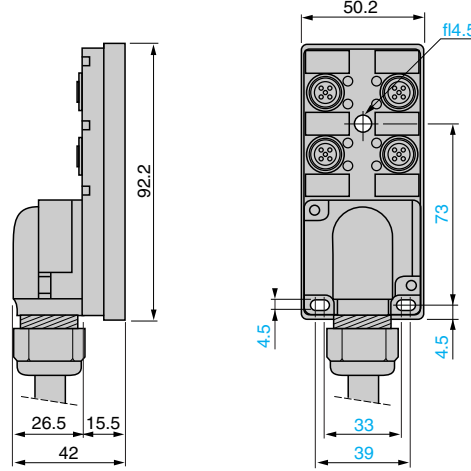
11

**Dimensions**

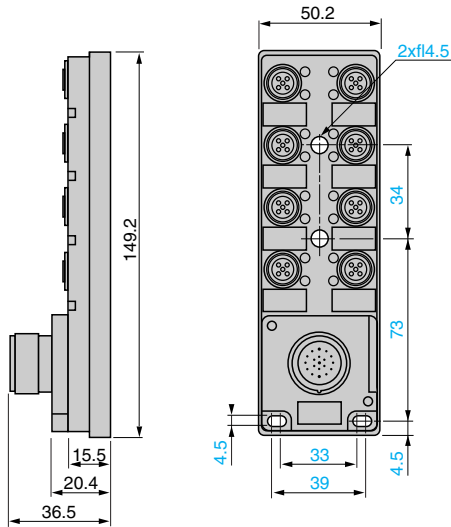
**ABE9C124●C23**



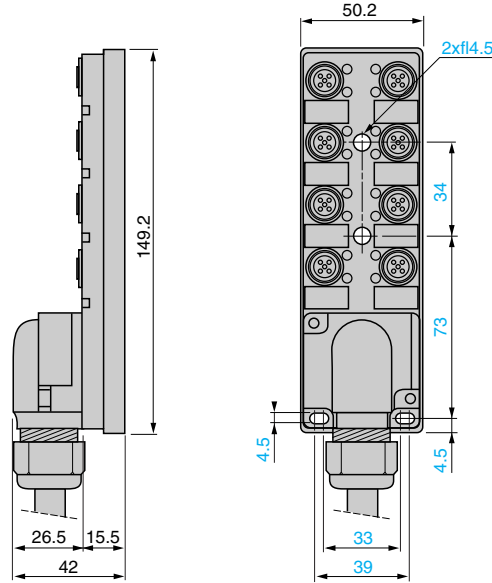
**ABE9C124●L●●**



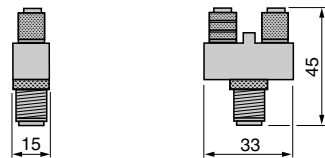
**ABE9C128●C23**



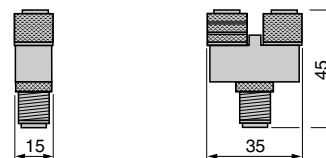
**ABE9C128●L●●**



**FTX CY1208**

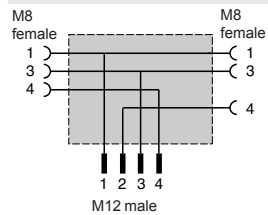


**FTX CY1212**

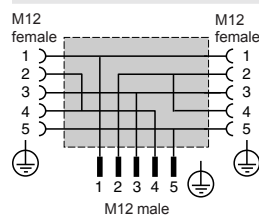


**Y-connector connection**

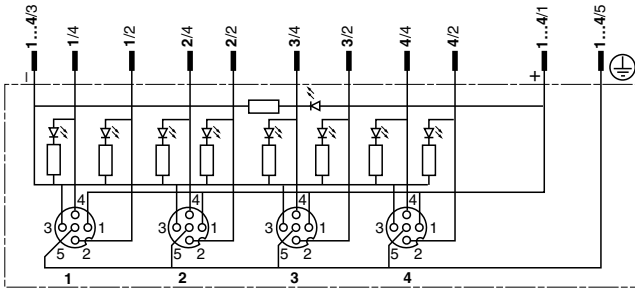
**FTX CY1208**



**FTX CY1212**

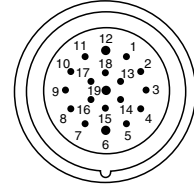


**ABE9C124●C23**



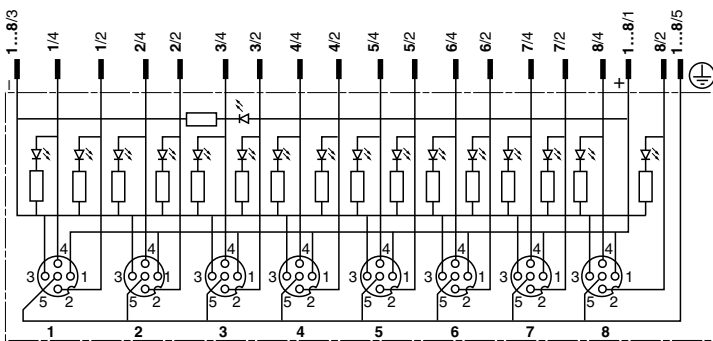
**Item Contact**

1/4	15
1/2	7
2/4	5
2/2	4
3/4	16
3/2	8
4/4	3
4/2	14
1 and 3/1	19
2 and 4/1	19
1 and 3/3	6
2 and 4/3	6
1 to 4/5	12



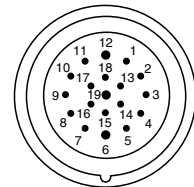
M23 connector

**ABE9C128●C23**



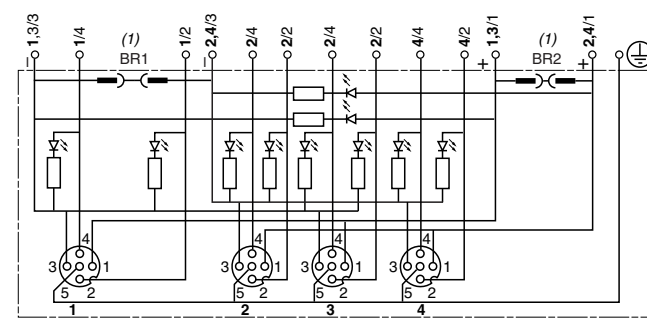
**Item Contact**

1/4	15
1/2	7
2/4	5
2/2	4
3/4	16
3/2	8
4/4	3
4/2	14
5/4	17
5/2	9
6/4	2
6/2	13
7/4	11
7/2	10
8/4	1
8/2	18
1, 3, 5 & 7/1	19
2, 4, 6 & 8/1	19
1, 3, 5 & 7/3	6
2, 4, 6 & 8/3	6
1 to 8/5	12



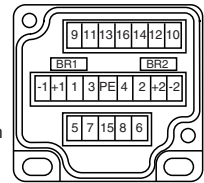
M23 connector

**ABE9C124●L●●**



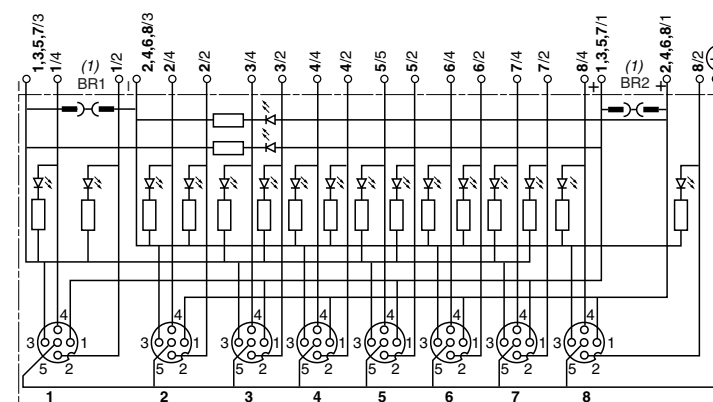
**Item Terminal Wire**

1/4	1	White
1/2	9	Gray/pink
2/4	2	Green
2/2	10	Red/blue
3/4	3	Yellow
3/2	11	White/green
4/4	4	Gray
4/2	12	Brown/green
1 and 3/1	+1	Brown 1
2 and 4/1	+2	Brown 2
1 and 3/3	-1	Blue 1
2 and 4/3	-2	Blue 2
1 to 4/5	PE	Green/yellow



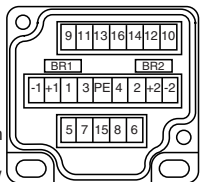
(1) BR1 and BR2: removable link.

**ABE9C128●L●●**



**Item Terminal Wire**

1/4	1	White
1/2	9	Gray/pink
2/4	2	Green
2/2	10	Red/blue
3/4	3	Yellow
3/2	11	White/green
4/4	4	Gray
4/2	12	Brown/green
5/4	5	Pink
5/2	13	White/yellow
6/4	6	Red
6/2	14	Yellow/brown
7/4	7	Black
7/2	15	White/gray
8/4	8	Violet
8/2	16	Gray/brown
1, 3, 5 & 7/1	+1	Brown 1
2, 4, 6 & 8/1	+2	Brown 2
1, 3, 5 & 7/3	-1	Blue 1
2, 4, 6 & 8/3	-2	Blue 2
1 to 8/5	PE	Green/yellow



(1) BR1 and BR2: removable links.

### Photoelectric sensors

Sensor type	Type of connection	Suitable pre-wired connectors		Suitable connectors		Suitable jumper cables	
		Catalog number	Page	Catalog number	Page	Catalog number	Page
XUA●●●●●S	M8, 3-pin	XZCP0166L●	11/8 and 11/9	XZCC8FDM30V	11/26	XZCR1501040G●	11/16
		XZCP0266L●		XZCC8FCM30V		XZCR1502040G●	
		XZCP0566L●		XZCC8FDM30S			
		XZCP0666L●		XZCC8FCM30S			
		XZCP0366L● (1)					
		XZCP0766L● (1)					
		XZCP0466L● (2)					
		XZCP0866L● (2)					
XUD●●●●●M8 XUM●●●●●M8 XUVK●●●●●S XUVF●●●M8	M8, 4-pin	XZCP0941L●	11/9	XZCC8FDM40V	11/27	XZCR1509041J●	11/17
		XZCP1041L●		XZCC8FCM40V		XZCR1510041J●	
				XZCC8FDM40S			
				XZCC8FCM40S			
XU●●●●●●D XU●●●●●M12 XUR●●●●●D XUVF●●●M12	M12, 4-pin	XZCP1141L●	11/10	XZCC12FDM40B	11/28	XZCR1511041C●	11/20
		XZCP1241L●		XZCC12FDP40B		XZCR1512041C●	
				XZCC12FCM40B			
				XZCC12FCP40B			
				XZCC12FDM40V			
XU●●●●●●K	1/2"-20UNF, 3-pin	XZCP1865L●	11/12	XZCC20FDM30B	11/29	-	
		XZCP1965L●		XZCC20FCM30B			

### Limit switches

Switch type	Type of connection	Suitable pre-wired connectors		Suitable connectors		Suitable jumper cables	
		Catalog number	Page	Catalog number	Page	Catalog number	Page
XCMD●●●●M12 ZCMD●●●M12	M12, 4-pin (1 for ground wire)	XZCP1169L●	11/11	XZCC12FDM40B	11/28	XZCR1511041C●	11/20
				XZCC12FDP40B		XZCR1512041C●	
				XZCC12FCM40B			
				XZCC12FCP40B			
				XZCC12FDM40V			
XCKP●●●●M12 ZCP●●●M12	M12, 4-pin without ground	XZCP1141L●	11/10	XZCC12FDM40B	11/28	XZCR1511041C●	11/20
		XZCP1241L●		XZCC12FDP40B		XZCR1512041C●	
				XZCC12FCM40B			
				XZCC12FCP40B			
				XZCC12FDM40V			
ZCMD●●●C12 ZCMD●●L08R12 XCKD●●●M12 ZCD●●●M12 XCKJ●●●●D	M12, 5-pin	XZCP1164L●	11/11	XZCC12FDM50B	11/29	XZCR1511064D●	11/21
		XZCP1264L●		XZCC12FCM50B		XZCR1512064D●	
ZCMD●●L08U78 XCKJ●●●●A	7/8"-16UN, 5-pin	XZCP1771L●	11/13	-		-	

Note: For sensors with relay output or contacts, check that they are compatible with the nominal voltage and nominal current of the cabling accessory.

(1) With LED for 3-wire ∴ PNP.

(2) With LED for 3-wire ∴ NPN.

### Proximity sensors

Sensor type	Type of connection	Suitable pre-wired connectors		Suitable connectors		Suitable jumper cables	
		Catalog number	Page	Catalog number	Page	Catalog number	Page
XS●●●●●●●●S XS●●●●●●●●M8 XS●●●●●●●●L01M8	M8, 3-pin	XZCP0166L● XZCP0266L● XZCP0566L● XZCP0666L● XZCP0366L● (1) XZCP0766L● (1) XZCP0466L● (2) XZCP0866L● (2)	11/8 and 11/9	XZCC8FDM30V XZCC8FCM30V XZCC8FDM30S XZCC8FCM30S	11/26	XZCR1501040G● XZCR1502040G●	11/16
XS●●●●●●●●D XS●●●●●●●●M12 XS●●●●●●●●L01M12	M12, 3 or 4-pin	XZCP1141L● XZCP1241L● XZCP1340L● (1) XZCP2540L● (1) XZCP1440L● (2)	11/10	XZCC12FDM40B XZCC12FDP40B XZCC12FCM40B XZCC12FCP40B XZCC12FDM40V XZCC12FCP42B (1)	11/28	XZCR1511041C● XZCR1512041C●	11/20
XS●●●●●●●●U20 XS●●●●●●●●K	1/2"-20UNF, 3-pin	XZCP1865L● XZCP1965L●	11/12	XZCC20FDM30B XZCC20FCM30B	11/29		

### Pressure switches, vacuum switches and analog pressure sensors

Sensor or switch type	Type of connection	Suitable pre-wired connectors		Suitable connectors		Suitable jumper cables	
		Catalog number	Page	Catalog number	Page	Catalog number	Page
XML●●●●●●●●C11 XML●●●●●●●●C21	DIN 43650 A, 4-pin	–		XZCC43FCP40B	11/33	XZCR1523062K●	11/19
XML●●●●●●●●D21	M12, 5-pin	XZCP1164L● XZCP1264L●	11/11	XZCC12FDM50B XZCC12FCM50B	11/29	XZCR1511064D● XZCR1512064D●	11/21
XML●●●●●●●●D●●●●	M12, 4-pin	XZCP1141L● XZCP1241L●	11/10	XZCC12FC●40B XZCC12FD●40B XZCC12FDM40V	11/28	XZCR1511041C● XZCR1512041C●	11/20
XML●●●●●●●●E●●●●	7/8"-16UN, 5-pin	XZCP1764L●	11/13	–		–	

**Note:** For sensors with relay output or contacts, check that they are compatible with the nominal voltage and nominal current of the cabling accessory.

(1) With LED for 3-wire ∴ PNP.

(2) With LED for 3-wire ∴ NPN.

