

OsiSense™ XZ

Machine cabling accessories

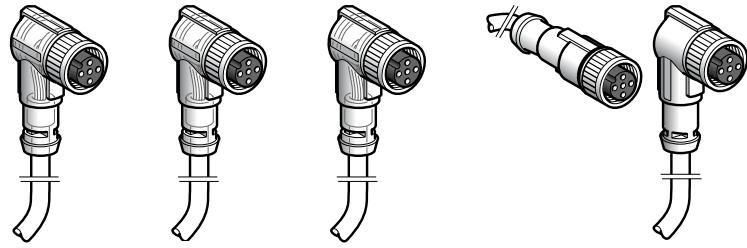
Cabling systems

Specifications			
Type of cable		High-performance cables XZCP and XZCR See pages 13 to 33	General use cables XZCPV and XZCRV See pages 13 to 19
Ambient air temperature			
	For operation	°C (°F) –35 to +90 (–31 to +194)	–25 to +80 (–13 to +176)
	For storage	°C (°F) –55 to +100 (–67 to +212)	–55 to +80 (–67 to +176)
Color		Matte black	Gray
Material	Sheath	PUR/PVC	PVC
	Conductor insulation	PVC	PVC
Manufacturing method		Without silicone and without demolding agent	Without silicone and without demolding agent
Nominal voltage		V 320, conforming to DIN VDE 0110 (III/3)	~ 250 V, --- 300 V
Insulation voltage		kV 2.5	2.5
Flame resistance		C2 conforming to NF C 32-070	VW-1 conforming to UL758
Environmental resistance		Resistant to soluble, mineral, or synthetic oils at 194 °F (90 °C)	Conditions of use where not continuously immersed
Bending radius		Dynamic: 15 x external diameter Static: 10 x external diameter	Static: 10 x external diameter
Tensile strength		N/mm ² 20 to 45	10
Hardness		80 ±5 Shore A	70 ±5 Shore A

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Pre-wired connectors, M12
PUR cable



Connector type	Female, M12, elbow with LED	Female, M12, elbow with LED	Female, M12, elbow with LED	Female, M12, straight	Female, M12, elbow
Number of pins	3			4	

Catalog numbers

PUR cable (see page 12)	0.5 m (1.6 ft)	—				
	1 m (3.3 ft)	—				
	2 m (6.6 ft)	XZCP2540L2	XZCP1340L2	XZCP1440L2	XZCP1141L2	XZCP1241L2
	5 m (16.4 ft)	XZCP2540L5	XZCP1340L5	XZCP1440L5	XZCP1141L5	XZCP1241L5
	10 m (32.8 ft)	XZCP2540L10	XZCP1340L10	XZCP1440L10	XZCP1141L10	XZCP1241L10
	15 m (49.2 ft)	—	—	—	XZCP1141L15	XZCP1241L15
	20 m (65.6 ft)	—	—	—	XZCP1141L20	XZCP1241L20
Weight, kg (lb)	2 m (6.6 ft)	0.080 (0.18)			0.090 kg (0.20 lb)	
	5 m (16.4 ft)	0.180 (0.40)			0.190 kg (0.42 lb)	
	10 m (32.8 ft)	0.350 (0.77)			0.370 kg (0.82 lb)	
	15 m (49.2 ft)	—			0.500 kg (1.10 lb)	
	20 m (65.6 ft)	—			0.750 kg (1.65 lb)	

Specifications

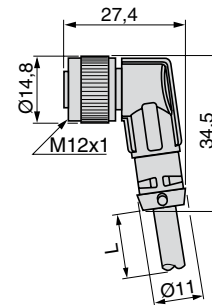
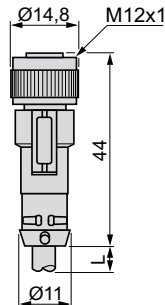
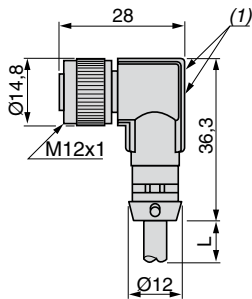
Certifications		cULus			
Connection type		Screw threaded (stainless steel clamping ring)	Screw threaded (metal clamping ring)	Screw threaded (metal clamping ring)	
Degree of protection		IP67 (with clamping ring correctly tightened)			IP67 (with clamping ring correctly tightened)
Ambient air temperature	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		Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm²			Ø5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm²
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 ⁹ Ω			> 10 ⁹ Ω
Contact resistance		≤ 5 mΩ			≤ 5 mΩ

Dimensions

XZCP2540L●, XZCP1340L●, XZCP1440L●

XZCP1141L●

XZCP1241L●



(1) 2 LEDs. Cable: 2, 5, or 10 m (6.6, 16.4, or 32.8 ft).

Connections

LED connection

XZCP2540L●, XZCP1340L●

XZCP2540L●, XZCP1340L●

XZCP1440L●

XZCP1141L●

