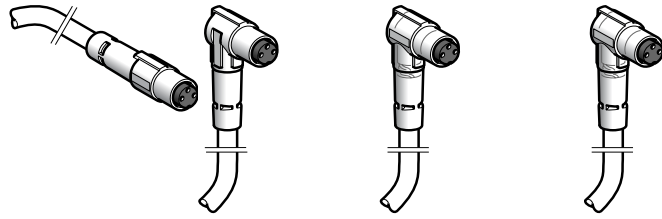


# OsiSense™ XZ Machine cabling accessories

Pre-wired connectors, Ø8 mm and M8  
PUR cable



<b>Connector type</b>		Female, Ø8 mm, straight	Female, Ø8 mm, elbowed	Female, Ø8 mm, elbowed with PNP LED	Female, Ø8 mm, elbowed with NPN LED
<b>Number of pins</b>		3			
<b>Catalog numbers</b>					
<b>PUR cable</b> (see page 12)	2 m (6.6 ft)	<b>XZCP0166L2</b>	<b>XZCP0266L2</b>	<b>XZCP0366L2</b>	<b>XZCP0466L2</b>
	5 m (16.4 ft)	<b>XZCP0166L5</b>	<b>XZCP0266L5</b>	<b>XZCP0366L5</b>	<b>XZCP0466L5</b>
	10 m (32.8 ft)	<b>XZCP0166L10</b>	<b>XZCP0266L10</b>	<b>XZCP0366L10</b>	<b>XZCP0466L10</b>
<b>Weight</b>	2 m (6.6 ft)	0.050 (0.11)			
	5 m (16.4 ft)	0.110 (0.24)			
	10 m (32.8 ft)	0.215 (0.47)			

## Specifications

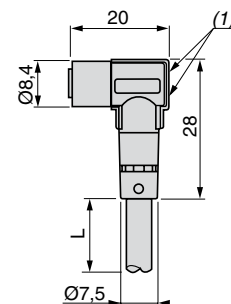
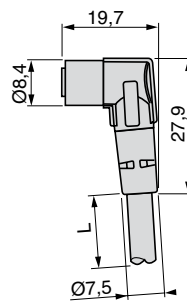
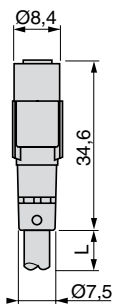
<b>Certifications</b>	cULus			
<b>Connection type</b>	Clip (clip-together connectors, without clamping ring)		Clip (clip-together connectors, without clamping ring)	
<b>Degree of protection</b>	IP67 (when correctly clipped together)		IP65 (when correctly clipped together)	
<b>Ambient air temperature</b>	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)
<b>Cabling</b>	Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>		Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>	
<b>LED indicators</b>	-		2 PNP LEDs	2 NPN LEDs
<b>Nominal voltage</b>	~ 60 V, --- 75 V		--- 10 to 30 V	
<b>Nominal current</b>	4 A		4 A	
<b>Insulation resistance</b>	> 10 <sup>9</sup> Ω		> 10 <sup>9</sup> Ω	
<b>Contact resistance</b>	≤ 5 mΩ		≤ 5 mΩ	

## Dimensions

XZCP0166L●

XZCP0266L●

XZCP0366L●, XZCP0466L●

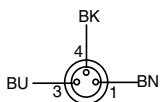


(1) 2 LEDs.

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

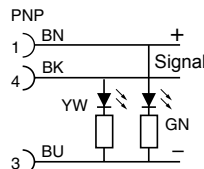
## Connections

XZCP0●66L●

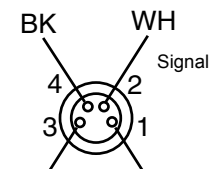


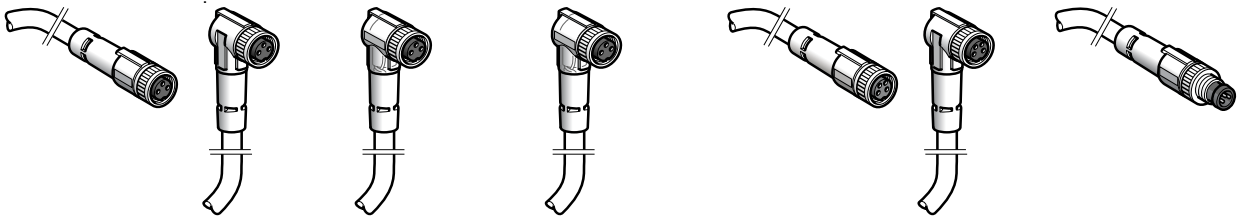
### LED connection

XZCP0366L●



XZCP0466L●



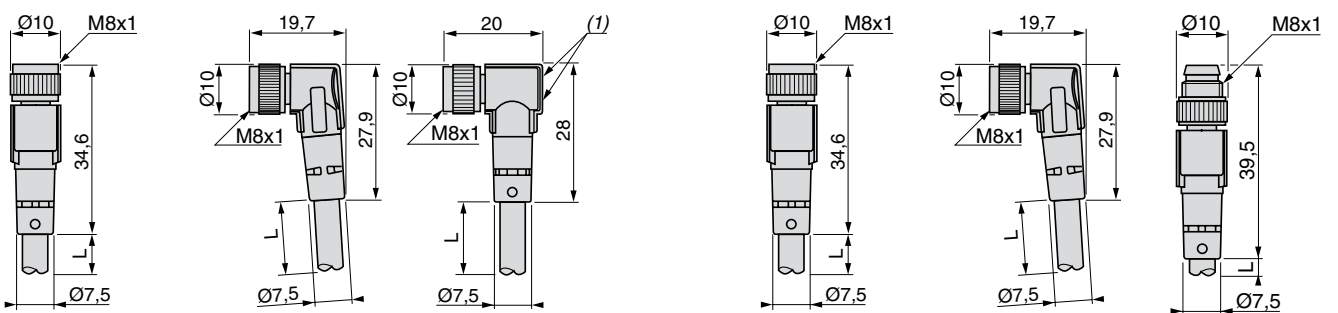


Female, M8, straight	Female, M8, elbowed	Female, M8, elbowed with PNP LED	Female, M8, elbowed with NPN LED	Female, M8, straight	Female, M8, elbowed	Male, M8, straight
3				4		3

<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>
0.060 kg (0.13 lb)				0.080 kg (0.18 lb)		0.5 m (1.6 ft) = 0.030 (0.07), 1 m (3.3 ft) = 0.050 (0.11), 2 m (6.6 ft) = 0.080 (0.18)
0.120 kg (0.26 lb)				0.180 kg (0.40 lb)		
0.225 kg (0.50 lb)				0.360 kg (0.79 lb)		

cULus		Screw threaded (metal clamping ring)		Screw threaded (metal clamping ring)		Screw threaded (metal clamping ring)		Screw threaded and clip (metal clamping ring)	
IP67 (with clamping ring correctly tightened)		IP67 (with clamping ring correctly tightened)		IP67 (with clamping ring correctly tightened)		IP67 (with clamping ring correctly tightened)		IP67 (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)		-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)		-5 to +90 °C (23 to +194 °F)	
Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>		Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>		Ø5.2 mm cable, conductor c.s.a.: 3 x 0.34 mm <sup>2</sup>		Ø5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm <sup>2</sup>		Ø5.2 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		~ 60 V, --- 75 V	
4 A		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		> 10 <sup>9</sup> Ω	
≤ 5 mΩ		≤ 5 mΩ		≤ 5 mΩ		≤ 5 mΩ		≤ 5 mΩ	

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

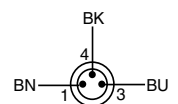
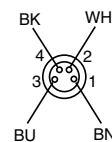
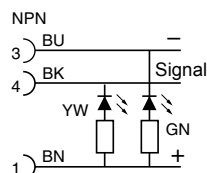
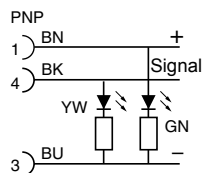
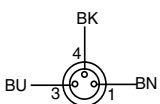


(1) 2 LEDs

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

Cable: 0.5, 1, or 2 m (1.6, 3.3, or 6.6 ft).

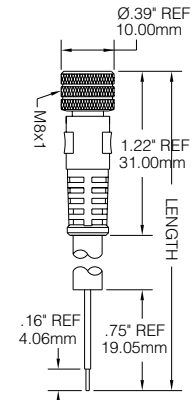
**XZCP0●66L●**    **LED connection**    **XZCP0766L●**    **XZCP0866L●**    **XZCP●●41L●**    **XZCP2737L●**



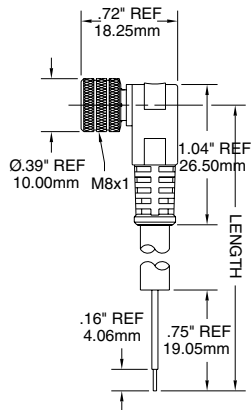
# Connector Cables

## NANO Style Connector Cables (Female)

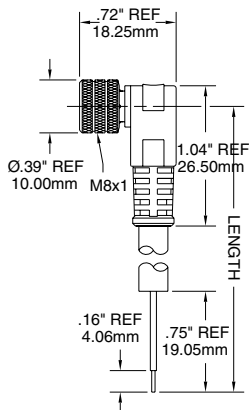
### Locking, with and without LEDs



Reference Number 5



Reference Number 6



Reference Number 7 and 8

#### Locking Type — DC 3 Pin — Without LED

Sensor Suffix Letter	Connector Reference Number	Cable Length		Connector Style	Cable Material	Cable Color	Catalog Number
		Feet	Meters				
S, M8	5	6.6	2	Straight	PVC	Yellow	XSZCS101
S, M8	5	16.4	5	Straight	PVC	Yellow	XSZCS102
S, M8	5	32.8	10	Straight	PVC	Yellow	XSZCS103
S, M8	5	6.6	2	Straight	PUR	Yellow	XSZCS104
S, M8	5	16.4	5	Straight	PUR	Yellow	XSZCS105
S, M8	5	32.8	10	Straight	PUR	Yellow	XSZCS106
S, M8	5	6.6	2	Straight	PVR	Black	XZCP0566L2
S, M8	5	16.4	5	Straight	PVR	Black	XZCP0566L5
S, M8	5	32.8	10	Straight	PVR	Black	XZCP0566L10
S, M8	6	6.6	2	90°	PVC	Yellow	XSZCS111
S, M8	6	16.4	5	90°	PVC	Yellow	XSZCS112
S, M8	6	32.8	10	90°	PVC	Yellow	XSZCS113
S, M8	6	6.6	2	90°	PUR	Yellow	XSZCS114
S, M8	6	16.4	5	90°	PUR	Yellow	XSZCS115
S, M8	6	32.8	10	90°	PUR	Yellow	XSZCS116
S, M8	6	6.6	2	90°	PVR	Black	XZCP0666L2
S, M8	6	16.4	5	90°	PVR	Black	XZCP0666L5
S, M8	6	32.8	10	90°	PVR	Black	XZCP0666L10

#### Locking Type — PNP DC 3 Pin — With LEDs

Sensor Suffix Letter	Connector Reference Number	Cable Length		Connector Style	Cable Material	Cable Color	Catalog Number
		Feet	Meters				
S, M8	7	6.6	2	90°	PVC	Yellow	XSZCS121
S, M8	7	16.4	5	90°	PVC	Yellow	XSZCS122
S, M8	7	32.8	10	90°	PVC	Yellow	XSZCS123
S, M8	7	6.6	2	90°	PVR	Black	XZCP0766L2
S, M8	7	16.4	5	90°	PVR	Black	XZCP0766L5
S, M8	7	32.8	10	90°	PVR	Black	XZCP0766L10

#### Locking Type — NPN DC 3 Pin — With LEDs

Sensor Suffix Letter	Connector Reference Number	Cable Length		Connector Style	Cable Material	Cable Color	Catalog Number
		Feet	Meters				
S, M8	8	6.6	2	90°	PVC	Yellow	XSZCS131
S, M8	8	16.4	5	90°	PVC	Yellow	XSZCS132
S, M8	8	32.8	10	90°	PVC	Yellow	XSZCS133
S, M8	8	6.6	2	90°	PVR	Black	XZCP0866L2
S, M8	8	16.4	5	90°	PVR	Black	XZCP0866L5
S, M8	8	32.8	10	90°	PVR	Black	XZCP0866L10

Connector Cables

Dual Dimensions  $\frac{\text{inches}}{\text{mm}}$

# Connector Cables

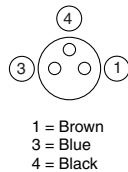
## NANO Style Connector Cables (Female)

### Locking, with and without LEDs

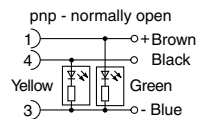
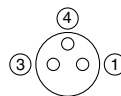
#### Specifications

Mechanical		Yellow Cable (PVC)	Yellow Cable (PUR)	Black Cable (PVR)
Standard Temperature Range		-4° F to +221° F (-20° C to +105° C)	-4° F to +176° F (-20° C to +80° C)	-31° F to +212° F (-35° C to 100° C)
Materials	Molded body	Transparent (LED version only) – PVC – TPE	Transparent (LED version only) – PVC – TPE	TPU
	Contact	Solid-machined brass, gold over nickel plating	Solid-machined brass, gold over nickel plating	Cu ZA
	Cable	PVC	PUR	PVR (PVC/NBR)
	Coupling Nut	Brass, nickel plated	Brass, nickel plated	Cu Zn
	Insert	PBT	PBT	TPU
Cable		0.22 mm <sup>2</sup> (24 AWG) conductor, PVC, Hi-Flex bare, UL style 2661 copper stranding	0.22 mm <sup>2</sup> (24 AWG) conductor, PUR, Hi-Flex bare, UL style 20233 copper stranding	0.22 mm <sup>2</sup> (24 AWG) conductor PVC T12
Enclosure rating	NEMA Type ■	6P	6P	–
	IEC Type ■	IP68	IP68	IP67
Shock		IEC 60068-2-27	IEC 60068-2-27	IEC 60068-2-27
Vibration		IEC 60068-2-6	IEC 60068-2-6	IEC 60068-2-6
Electrical				
Contact resistance		≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ
Current ratings		4 A	4 A	4 A
Working voltage		60 Vac/RMS/75 Vdc Non LED version, LED version 10 to 30 Vdc	60 Vac/RMS/75 Vdc Non LED version, LED version 10 to 30 Vdc	60 Vac/RMS/75 Vdc Non LED version, LED version 10 to 30 Vdc
Dielectric withstanding voltage		2 kVac/RMS/60 Seconds	2 kVac/RMS/60 Seconds	1.5 kVac/RMS/60 Seconds
Insulation resistance		> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω	> 10 <sup>9</sup> Ω
LED (LED versions only)	Green	Power	Power	Power
	Yellow	Sensor Output Signal	Sensor Output Signal	Sensor Output Signal

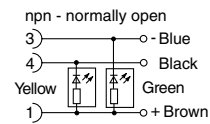
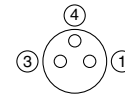
■ Only in fully locked position



Reference Number 6 and 7



Reference Number 7



Reference Number 8