

# Cordsets & Patchcords, Combination Connectors

24 AWG, PVC, PUR, or TPE, Screw-On and Snap-On, Pico to Micro

## Pico Style



Pico to Micro Screw-On Style

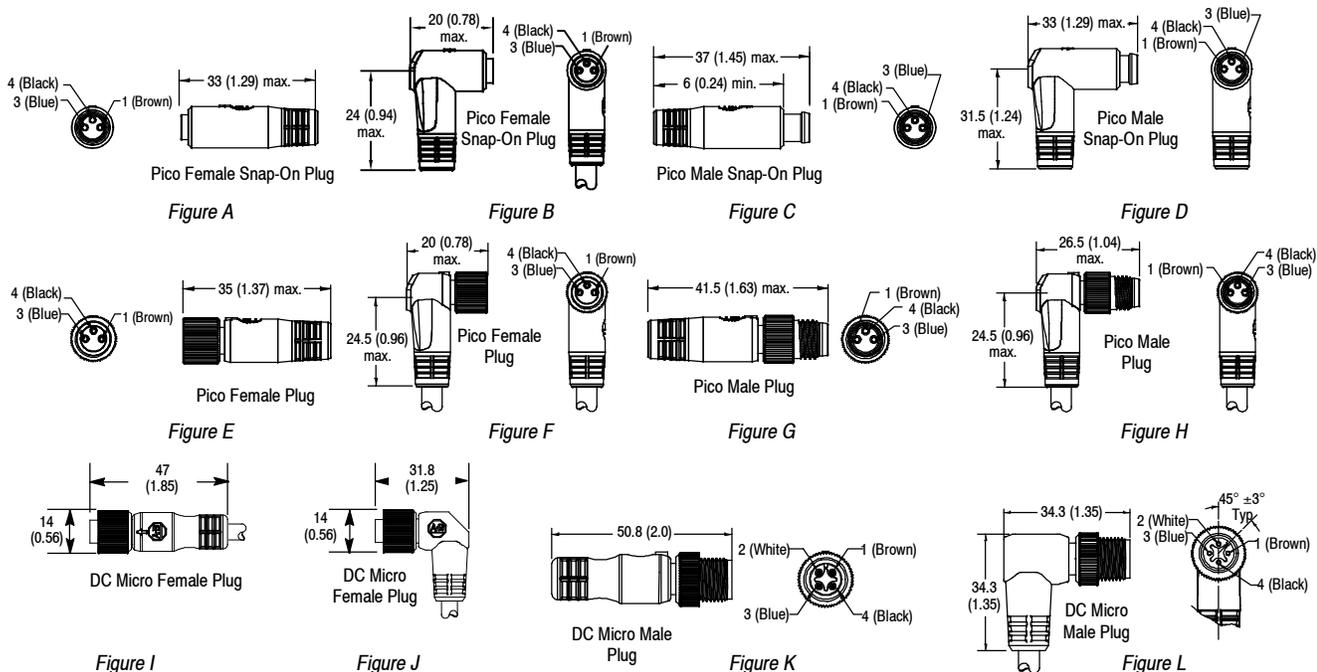
### Features

- Highly visible yellow PVC jacket offers good oil and chemical resistance
- LED versions provide power and output indication for either PNP or NPN devices
- Snap-on coupling style for quick and simple connection
- “-V” models allow wiring of devices using pin 2 for output into standard single-point distribution boxes and IP67 I/O

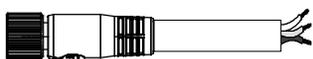
### Specifications760

Certifications	UL Recognized and CSA Certified
<b>Mechanical</b>	
Coupling Nut Material	Nickel-plated brass
Connector Material	Molded, oil-resistant, PUR
Contacts	Gold-plated brass
Cable	Oil-, water-, and UV-resistant, 24 AWG conductors, 300V, 4 A, AWM
Cable Diameter	3/c PVC = 4.6 mm (0.18 in.) 3/c Foil Shield = 4.8 mm (0.189 in.) 3/c TPE or PUR = 4.3 mm (0.17 in.) 4/c PVC = 5.0 mm (0.197 in.) 4/c PUR or TPE = 4.6 mm (0.18 in.)
Bend Radius	10x diameter, min.
<b>Electrical</b>	
Cable Rating	PVC: UL AWM style 2661 VW-1 105°C 300V, CSA AWM A/B I/II 105°C 300V FT1 PUR: UL AWM style 20233, 21198 or 10493 80°C 300V FT2 TPE: UL AWM style 20327 VW-1 105°C 300V FT1
Assembly Rating	60V AC/75V DC, 4 A
<b>Environmental</b>	
Enclosure Type Rating	Screw-type: IP67, 1200 psi (8270 kPa) washdown Snap-on type: IP65
Operating Temperature [C (F)]	-20...+105° (-4...+221°)

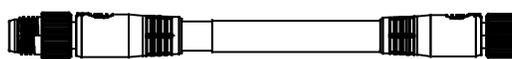
### Approximate Dimensions [mm (in.)]



Dimensions are approximate. Illustrations are not drawn to scale.



Example of Cordset

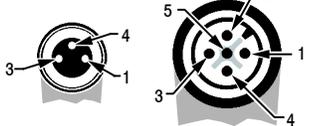
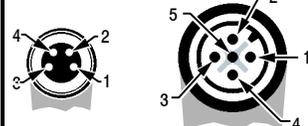
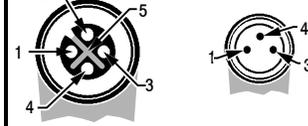


Example of Patchcord

## Cordsets & Patchcords, Combination Connectors

24 AWG, Yellow PVC, PUR, or TPE, Screw-On and Snap-On, Pico to Micro

### Pinout and Color Code

Face View Pinout								
<b>3-Pin Female Pico to 4-Pin Male DC Micro</b>			<b>4-Pin Female Pico to 4-Pin Male DC Micro</b>			<b>4-Pin Female DC Micro to 3-Pin Male Pico</b>		
 Female                  Male			 Female                  Male			 Female                  Male		
		 Female                  Male						

### Product Selection

#### Snap-On Pico to Threaded Micro Cordsets



Pin Count	Jacket Material	Cat. No.		Cat. No.	
		Straight Female to Straight Male <sup>①</sup>	Straight Female to Right Angle Male <sup>②</sup>	Right Angle Female to Straight Male <sup>①</sup>	Right Angle Female to Right Angle Male <sup>②</sup>
Male: Micro 4-Pin Female: Pico 3-Pin	Yellow PUR Flex <sup>①</sup>	889P-S3UBD4M- <sup>③</sup>	889P-S3UBD4E- <sup>④</sup>	889P-Z3UBD4M- <sup>③</sup>	889P-Z3UBD4E- <sup>④</sup>
Male: Micro 4-Pin Female: Pico 4-Pin		889P-S4UBDM- <sup>③</sup>	889P-S4UBDE- <sup>④</sup>	889P-Z4UBDM- <sup>③</sup>	889P-Z4UBDE- <sup>④</sup>
Male: Micro 4-Pin Female: Pico 4-Pin		889P-S4UBDM-V <sup>⑤</sup>	889P-S4UBDE-V <sup>⑤</sup>	889P-Z4UBDM-V <sup>⑤</sup>	889P-Z4UBDE-V <sup>⑤</sup>
Male: Pico 3-Pin Female: Micro 4-Pin		889D-F4UBP3G- <sup>③</sup>	889D-F4UBP3H- <sup>④</sup>	889D-R4UBP3G- <sup>③</sup>	889D-R4UBP3H- <sup>④</sup>
Male: Pico 3-Pin Female: Micro 4-Pin		889D-F4UBP3G-V <sup>⑤</sup>	889D-F4UBP3H-V <sup>⑤</sup>	889D-R4UBP3G-V <sup>⑤</sup>	889D-R4UBP3H-V <sup>⑤</sup>
Male: Micro 4-Pin Female: Pico 4-Pin		889D-F4UBPG- <sup>③</sup>	889D-F4UBPH- <sup>④</sup>	889D-R4UBPG- <sup>③</sup>	889D-R4UBPH- <sup>④</sup>

#### Threaded Pico to Threaded Micro Patchcords



Pin Count	Jacket Material	Cat. No.		Cat. No.	
		Straight Female to Straight Male <sup>②</sup>	Straight Female to Right Angle Male <sup>②</sup>	Right Angle Female to Straight Male <sup>②</sup>	Right Angle Female to Right Angle Male <sup>②</sup>
Male: Micro 4-Pin Female: Pico 3-Pin	Yellow PVC <sup>②</sup>	<b>889P-F3ABD4M-<sup>④</sup></b>	889P-F3ABD4E- <sup>④</sup>	889P-R3D4M- <sup>④</sup>	889P-R3ABD4E- <sup>④</sup>
Male: Micro 4-Pin Female: Pico 4-Pin		889P-F4ABDM- <sup>④</sup>	889P-F4ABDE- <sup>④</sup>	889P-R4ABDM- <sup>④</sup>	889P-R4ABDE- <sup>④</sup>
Male: Micro 4-Pin Female: Pico 4-Pin		889P-F4ABDM-V <sup>⑤</sup>	889P-F4ABDE-V <sup>⑤</sup>	889P-R4ABDM-V <sup>⑤</sup>	889P-R4ABDE-V <sup>⑤</sup>
Male: Pico 3-Pin Female: Micro 4-Pin		889D-F4ABP3M- <sup>④</sup>	889D-F4ABP3E- <sup>④</sup>	889D-R4ABP3M- <sup>④</sup>	889D-R4ABP3E- <sup>④</sup>
Male: Pico 3-Pin Female: Micro 4-Pin		889D-F4ABP3M-V <sup>⑤</sup>	889D-F4ABP3E-V <sup>⑤</sup>	889D-R4ABP3M-V <sup>⑤</sup>	889D-R4ABP3E-V <sup>⑤</sup>
Male: Pico 4-Pin Female: Micro 4-Pin		889D-F4ABPM- <sup>④</sup>	889D-F4ABPE- <sup>④</sup>	889D-R4ABPM- <sup>④</sup>	889D-R4ABPE- <sup>④</sup>

- ① Replace **UB** with **JB** for black Halogen free PUR.
- ② Replace **AB** with **BB** for black PVC, **UB** for yellow PUR, flex cable, **JB** for black Halogen-free PUR, **HB** for yellow TPE flex cable.
- ③ Replace symbol with 2 (2 m), (5 m) or 10 (10 m) for standard cable lengths.
- ④ Replace symbol with 0M3 (0.3 m), 1 (1 m), 2 (2 m), 3 (3 m), 5 (5 m) or 10 (10 m) for standard cable lengths.

# Cordsets & Patchcords, M23 Style

18 or 18/22 AWG, Black or Yellow PVC

## M23 Style



12-Pin M23 Cordset

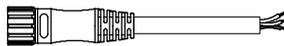
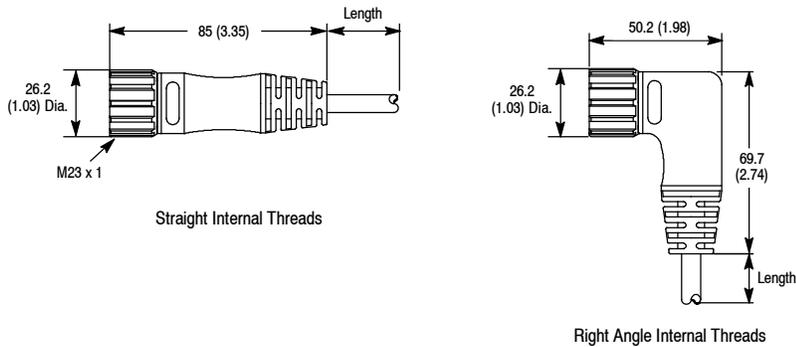
### Features

- 12-pin configuration for SafeShield light curtains and other applications
- 12-pin/11-conductor on 19-pin for passive distribution and other box applications
- Subtle black or highly visible yellow PVC jacket offers good oil and chemical resistance

### Specifications

Mechanical	
Coupling Nut	Nickel-plated brass
Connector	Molded oil-resistant PUR
Contacts	Gold over nickel-plated brass
Cable	Oil resistant yellow PVC jacket, 18 AWG conductors, 60V UL Recognized and CSA Certified
Bend Radius	10 x diameter, min.
Cable Diameter	10 mm (0.41 in.)
Electrical	
Cable Rating	300V
Assembly Rating	9- & 12-pin: 300V, 4 A 11-pin: 63V, 6 A; 19-pin: 63V, 12 A
Environmental	
Enclosure Type Rating	IP67, NEMA 6P, 1200 psi (8270 kPa) washdown
Operating Temperature [C (F)]	-20...+80° (-4...+176°)

### Approximate Dimensions [mm (in.)]



Example of Cordset



Example of Patchcord

Dimensions are approximate. Illustrations are not drawn to scale.