

# Cordsets & Field Attachables

## Cordsets and Patchcords, M23 Style

18 or 18/22 AWG, Black or Yellow PVC



12-Pin M23 Cordset

### Features

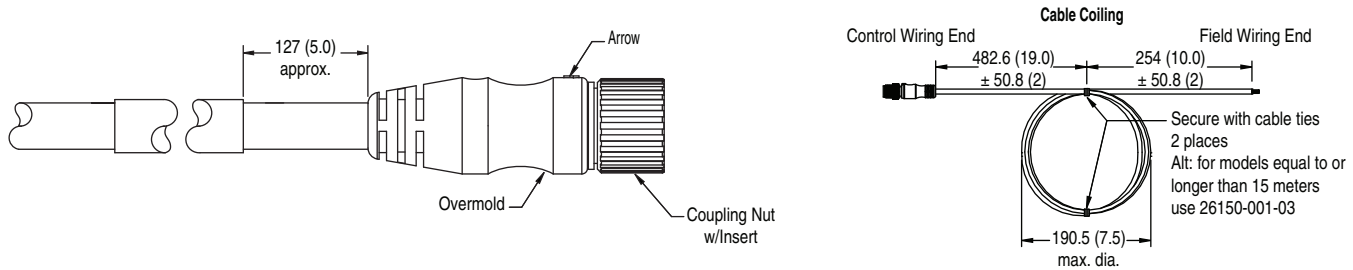
- 12-pin configuration for SafeShield™ light curtains and other applications
- 12-pin/11-conductor on 19-pin for passive distribution and other box applications
- Subtle black or highly visible yellow PVC jacket offers good oil and chemical resistance

### Specifications

Certifications	UL Recognized and CSA Certified
<b>Mechanical</b>	
Coupling Nut Material	Nickel-plated brass
Connector Material	Molded oil-resistant PUR
Contact Material	Gold over nickel-plated brass
Cable Type	9- & 12-conductor cables: oil-resistant PVC, yellow, PLTC, 300V, UL/CSA, 18 AWG 11-conductor cable: oil-resistant PUR, black, ITC/PLTC, 300V, UL/CSA (3) 18 AWG, (8) 22 AWG 19-conductor cable: oil-resistant PUR, black, ITC/PLTC, 300V, UL/CSA (3) 18 AWG, (16) 22 AWG
Bend Radius	10x diameter
<b>Electrical</b>	
Cable Rating	300V
Assembly Rating	9- & 12-pin: 6 A 11- & 19-conductor: 18 AWG-8 A, 22 AWG-2 A
<b>Environmental</b>	
Enclosure Type Rating	IP67, IP68
Temperature Rating [C (F)]	-20...+105° (-4...+221°)

### Approximate Dimensions

Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



### Pinout and Color Code

Color Code	Face View Pinout			
	12-Pin		19-Pin	
	<b>Female</b>	<b>Male</b>	<b>Female</b>	<b>Male</b>
A	<b>9-Conductor</b>		1 Violet	7 Grey/Pink
	1 Brown	5 NA	9 Pink	13 Yellow/Brown
	2 NA	6 Green	8 White/Green	14 Brown/Green
	3 Blue	7 Yellow	9 White/Yellow	15 White
	4 White	8 Grey	10 White/Grey	16 Yellow
		12 Green/Yellow	11 Black	17 Pink
			12 Green/Yellow	18 Grey/Brown
				19 Brown*
B	<b>11-Conductor (pins 9/10 jumpered)</b>		—	
	1 White	5 Pink	9 Blue*	
	2 Green	6 Red	10 Blue	
	3 Yellow	7 Black	11 Brown*	
	4 Grey	8 Violet	12 Green/Yellow*	
C	<b>12-Conductor</b>		—	
	1 Brown	5 Red	9 Black	
	2 Blue	6 Yellow	10 Violet	
	3 Grey	7 White	11 Grey/Pink	
	4 Pink	8 Red/Blue	12 Green	

\* 18 AWG

**Product Selection**

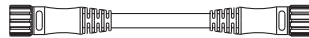
**Cordsets**



No. of Conductors	Color Code	Connector Type	Cable Diameter [mm (in.)]	Cat. No.*					
				Straight Female	Right Angle Female	Straight Male	Right Angle Male	Straight Male	Right Angle Male
				(Internal Threads)		w/Internal Threads		w/External Threads	
9	A	12-pin	10.1 (0.40)	<b>889M-FX9AE-2</b>	889M-RX9AE-2	889M-UX9AE-2	889M-VX9AE-2	889M-MX9AE-2	889M-EX9AE-2
11	B	12-pin	10.1 (0.40)	<b>889M-F11RM-2</b>	<b>889M-R11RM-2</b>	889M-U11RM-2	889M-V11RM-2	889M-M11RM-2	889M-E11RM-2
12	C	12-pin	10.8 (0.43)	<b>889M-F12AH-2</b>	889M-R12AH-2	889M-U12AH-2	889M-V12AH-2	889M-M12AH-2	889M-E12AH-2
19	A	19-pin	12.1 (0.48)	<b>889M-F19RM-2</b>	<b>889M-R19RM-2</b>	889M-U19RM-2	889M-V19RM-2	889M-M19RM-2	889M-E19RM-2

\* The **2** at the end of the cat. no. is for 2 m cable length. Replace the **2** with **5** (5 m) or **10** (10 m) for standard cable lengths.

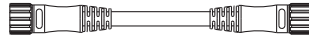
**Patchcords with Internal Threads**



No. of Conductors	Connector Type	Cable Diameter [mm (in.)]	Cat. No.§			
			Straight Female Straight Male	Straight Female Right Angle Male	Right Angle Female Straight Male	Right Angle Female Right Angle Male
			w/Internal Threads			
—	12-pin	10.1 (0.40)	<b>889M-FX9AEMU-2</b>	889M-FX9AEMV-2	889M-RX9AEMV-2	889M-RX9AEMV-2
11	12-pin	10.1 (0.40)	<b>889M-F11RMMU-2</b>	889M-F11RMMV-2	889M-R11RMMU-2	889M-R11RMMV-2
12	12-pin	10.8 (0.43)	<b>889M-F12AHMU-2</b>	889M-F12AHMV-2	889M-R12AHMU-2	889M-R12AHMV-2
19	12-pin	12.1 (0.48)	<b>889M-F19RMMU-2</b>	889M-F19RMMV-2	889M-R19RMMU-2	889M-R19RMMV-2

§ The **2** at the end of the cat. no. is for 2 m cable length. For Cat. No. 889M-F12AHMU only, replace the **2** with **OM3** (0.3 m), **OM6** (0.6 m), **1** (1 m), or **3** (3 m) for standard cable lengths. For all other cat. nos., replace the **2** with **OM3** (0.3 m), **1** (1 m), **5** (5 m) or **10** (10 m) for standard cable lengths.

**Patchcords with External Threads**



No. of Conductors	Connector Type	Cable Diameter [mm (in.)]	Cat. No.§			
			Straight Female Straight Male	Straight Female Right Angle Male	Right Angle Female Straight Male	Right Angle Female Right Angle Male
			w/External Threads			
9	12-pin	10.1 (0.40)	889M-FX9AEMM-2	889M-FX9AEME-2	889M-RX9AEME-2	889M-RX9AEME-2
11	12-pin	10.1 (0.40)	889M-F11RMMM-2	889M-F11RMME-2	889M-R11RMMM-2	889M-R11RMME-2
12	12-pin	10.8(0.43)	889M-F12AHMM-2	889M-F12AHME-2	889M-R12AHMM-2	889M-R12AHME-2
19	19-pin	12.1 (0.48)	889M-F19RMMM-2	889M-F19RMME-2	889M-R19RMMM-2	889M-R19RMME-2

§ The **2** at the end of the cat. no. is for 2 m cable length. For Cat. No. 889M-F12AHMU only, replace the **2** with **OM3** (0.3 m), **OM6** (0.6 m), **1** (1 m), or **3** (3 m) for standard cable lengths. For all other cat. nos., replace the **2** with **OM3** (0.3 m), **1** (1 m), **5** (5 m) or **10** (10 m) for standard cable lengths.