

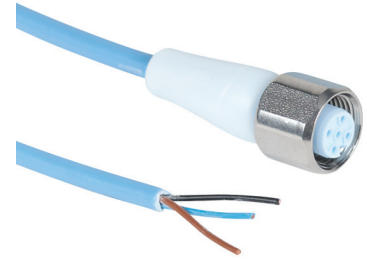
# IP69K Food and Beverage Cables

## FDA Compliant M12 Quick-Disconnect Cables

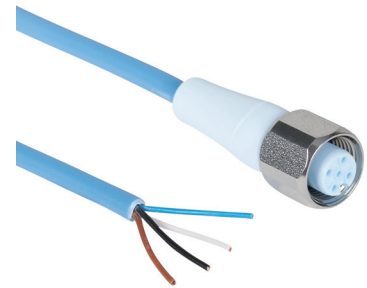
Available M12 quick-disconnect cables feature the following:

- Industry standard axial and right-angle M12 connectors with open leads
- 2, 3, 5, 7, 10, 15, 20, and 25m cable lengths
- 1-year warranty

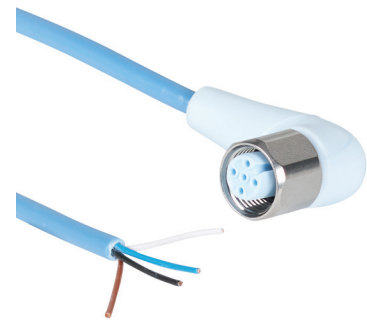
- Food grade TPE-S (Styrene-Butadiene Thermoplastic Elastomer) jacket for food and beverage industrial applications
- IP69K rated to withstand high pressure, high temperature wash-down applications



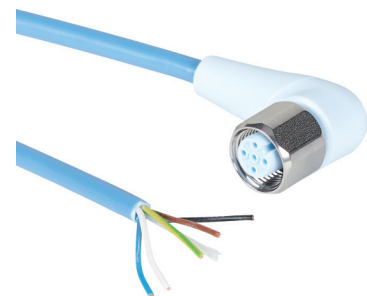
7024-12181-3150500



7024-12221-3210200



7024-12341-3210200



7024-12361-3390300

M12 Quick-Disconnect Cordset Cables											
Part Number	Price	Poles	Connector	Jacket	Dimensions (mm [in])						
					A	B	C	L (m [ft])			
7024-12181-3150500	\$15.00	3	Axial female	Ice blue TPE-S	39 [1.5]	15 [0.6]	n/a	5 [16.4]			
7024-12221-3210200	\$12.00	4						2 [6.5]			
7024-12221-3210300	\$14.00							3 [9.8]			
7024-12221-3210500	\$16.00							5 [16.4]			
7024-12221-3210700	\$19.00							7 [22.9]			
7024-12221-3211000	\$23.00							10 [32.8]			
7024-12221-3211500	\$29.00							15 [49.2]			
7024-12221-3212000	\$36.00							20 [65.6]			
7024-12221-3212500	\$43.00							25 [82]			
7024-12241-3390200	\$16.00							5	2 [6.5]		
7024-12241-3390300	\$17.00				3 [9.8]						
7024-12241-3390500	\$19.00	5 [16.4]									
7024-12241-3390700	\$23.00	7 [22.9]									
7024-12241-3391000	\$27.00	10 [32.8]									
7024-12241-3391500	\$35.00	15 [49.2]									
7024-12241-3392000	\$42.00	20 [65.6]									
7024-12241-3392500	\$49.00	25 [82]									
7024-12321-3150500	\$15.00	3			Right-angle female	Ice blue TPE-S	37 [1.46]		15 [0.6]	29 [1.1]	5 [16.4]
7024-12341-3210200	\$12.00	4									2 [6.5]
7024-12341-3210300	\$14.00							3 [9.8]			
7024-12341-3210500	\$16.00		5 [16.4]								
7024-12341-3210700	\$19.00		7 [22.9]								
7024-12341-3211000	\$23.00		10 [32.8]								
7024-12341-3211500	\$29.00		15 [49.2]								
7024-12341-3212000	\$36.00		20 [65.6]								
7024-12341-3212500	\$43.00		25 [82]								
7024-12361-3390200	\$16.00		5	2 [6.5]							
7024-12361-3390300	\$17.00			3 [9.8]							
7024-12361-3390500	\$19.00	5 [16.4]									
7024-12361-3390700	\$23.00	7 [22.9]									
7024-12361-3391000	\$27.00	10 [32.8]									
7024-12361-3391500	\$35.00	15 [49.2]									
7024-12361-3392000	\$42.00	20 [65.6]									
7024-12361-3392500	\$49.00	25 [82]									

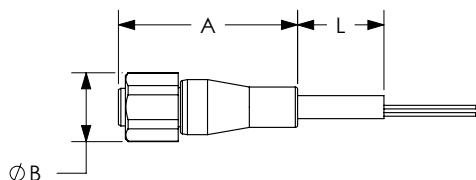
Note: Specifications, dimensional drawings and wiring diagrams on next page.

# IP69K Food and Beverage Cables

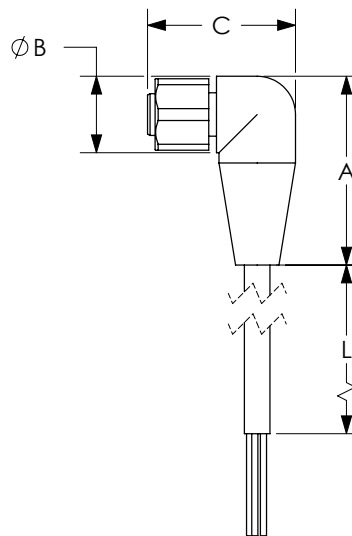
## FDA Compliant M12 Quick-Disconnect Cables Specifications

M12 QD Cables Specifications						
Model	7024-12181-x	7024-12221-x	7024-12241-x	7024-12321-x	7024-12341-x	7024-12361-x
Operating voltage	30V AC/DC					
Operating current per contact	max. 4A					
Rated surge voltage	2.5 kV	2.5 kV	1.5 kV	2.5 kV	2.5 kV	1.5 kV
Connection	M12, 3-pole	M12, 4-pole	M12, 5-pole	M12, 3-pole	M12, 4-pole	M12, 5-pole
Recommended torque	0.6 N-m (0.44 ft-lb)					
Coding	A-coding					
Protection	IP65/IP68/IP69K					
Jacket material	TPE-S					
Hood material	Polypropylene					
Coupling nut material	Stainless steel					
Temperature range	-40° to +105°C [-40° to 221°F]					
Wire Ø (mm <sup>2</sup> )	3 x 0.34 (AWG 22)	4 x 0.34 (AWG 22)	5 x 0.34 (AWG 22)	3 x 0.34 (AWG 22)	4 x 0.34 (AWG 22)	5 x 0.34 (AWG 22)
Outer Ø (mm)	4.3 ± 5%	4.7 ± 5%	5.0 ± 5%	4.3 ± 5%	4.7 ± 5%	5.0 ± 5%
Bend Radius	10 x Outer Ø					
Agency Approvals	UL E325311					

### Dimensions

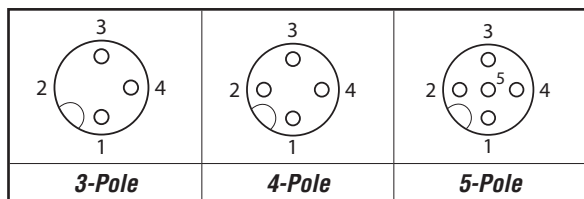


Axial Connectors

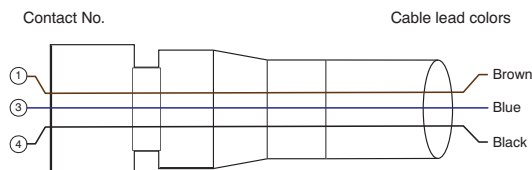


Right Angle Connectors

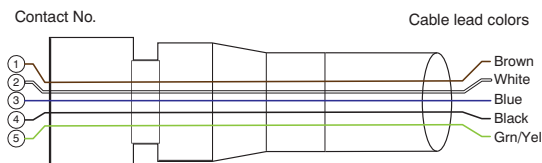
### Contact Diagrams



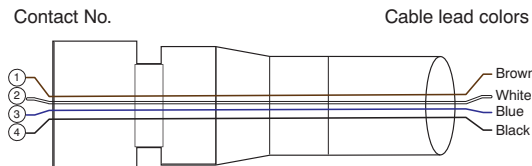
### Wiring Diagrams



3-pole Connectors



5-pole Connectors



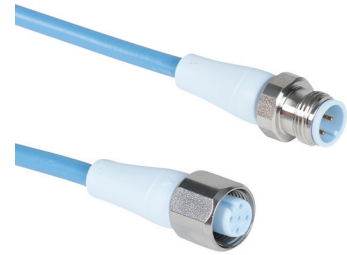
4-pole Connectors

# IP69K Food and Beverage Cables

## FDA Compliant Patch Cables

Available patch cables include:

- Industry standard M12 screw-lock connectors
- One male and one female connector
- Axial and right-angle connector models
- 1, 3, and 5m cable lengths
- TPE-S (Styrene-Butadiene Thermoplastic Elastomer ) jacket for food and beverage industrial applications
- IP69K rating, suitable for food and beverage industrial applications
- 1-year warranty



7024-40021-3210100



7024-40261-3210100

M12 Patch Cables with Quick-Disconnect on Each End (Euro, Micro DC-Single Key)									
Part Number	Price	Poles	Connectors	Jacket	Dimensions (mm [in])				
					A	B	C	D	L (m [ft])
7024-40021-3210100	\$18.00	4	Axial male to axial female	Ice Blue TPE-S	42	39	15	n/a	1 [3.2]
7024-40021-3210300	\$21.00				[1.65]	[1.5]	[0.6]		3 [9.8]
7024-40021-3210500	\$24.00								5 [16.4]
7024-40261-3210100	\$20.00		Right-angle male to right-angle female		32	29	15	37	1 [3.2]
7024-40261-3210300	\$23.00				[1.26]	[1.1]	[0.6]	[1.46]	3 [9.8]
7024-40261-3210500	\$26.00								5 [16.4]
7024-40041-3390100	\$21.00	5	Axial male to axial female	42	39	15	n/a	1 [3.2]	
7024-40041-3390300	\$24.00			[1.65]	[1.5]	[0.6]		3 [9.8]	
7024-40041-3390500	\$26.00							5 [16.4]	

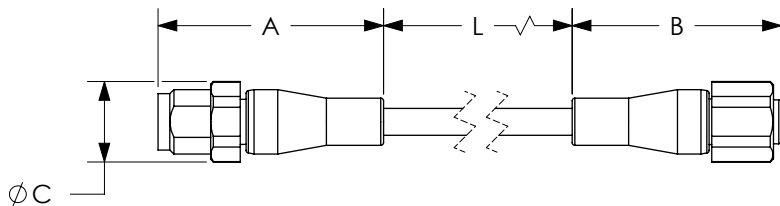
Note: Dimensional drawings and wiring diagrams on next page.

M12 Patch Cables Specifications			
Model	7024-40021-x	7024-40041-x	7024-40061-x
Operating voltage	30V AC/DC		
Operating current per contact	max. 4A		
Rated surge voltage	2.5 kV	1.5 kV	2.5 kV
Connection	M12, 4-pole	M12, 5-pole	M12, 4-pole
Recommended torque	0.6 N·m (0.44 ft·lb)		
Coding	A-coding		
Protection	IP65/IP68/IP69K		
Jacket material	TPE-S		
Hood material	Polypropylene		
Coupling nut material	Stainless steel		
Temperature range	-40° to +105°C [-40° to 221°F]		
Wire Ø (mm <sup>2</sup> )	4 x 0.34 (AWG 22)	5 x 0.34 (AWG 22)	4 x 0.34 (AWG 22)
Outer Ø (mm)	4.7 ± 5%	5.0 ± 5%	4.7 ± 5%
Bend Radius	10 x Outer Ø		
Agency Approvals	UL E325311		

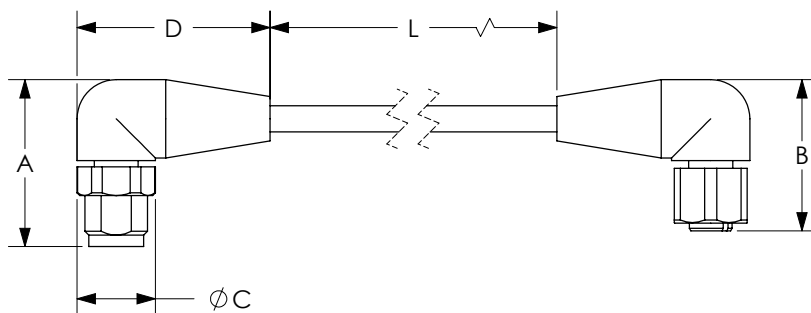
# IP69K Food and Beverage Cables

## FDA Compliant Patch Cables

### Dimensions



**Axial Connectors**

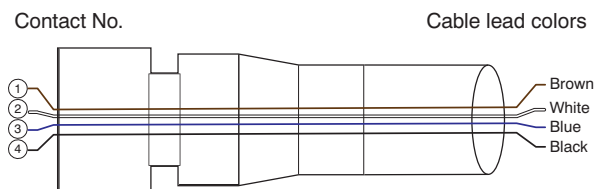


**Right Angle Connectors**

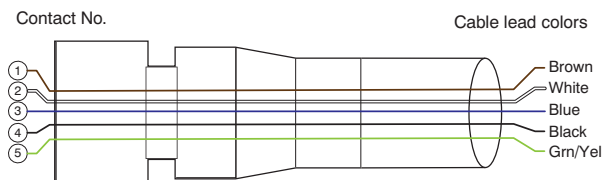
### Contact Diagrams

<b>4-Pole Male</b>	<b>4-Pole Female</b>	<b>5-Pole Male</b>	<b>5-Pole Female</b>

### Wiring Diagrams



**4-pole Connectors**



**5-pole Connectors**