

di-soric Machine Vision Cables

**VKHM-Z-5/12-A****VKHM-Z-10/12-A****CS60-Y-1/12-A**

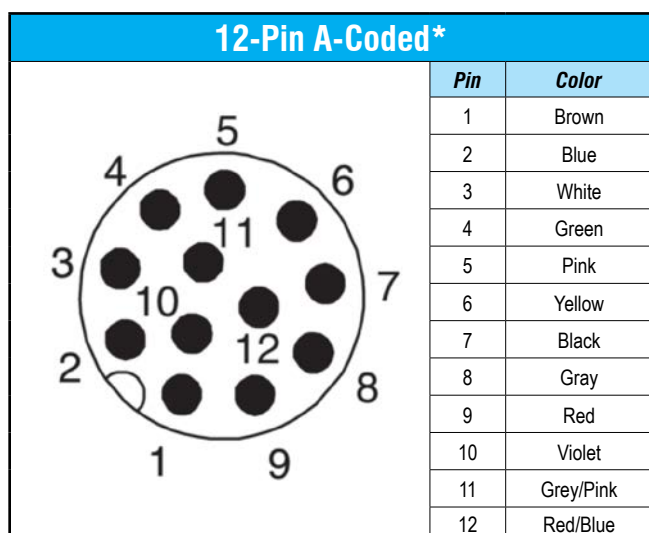
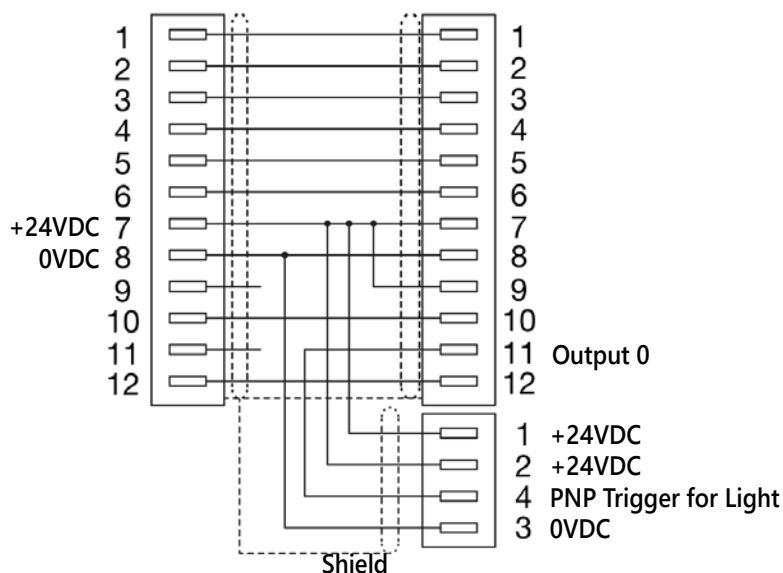
The **VKHM-Z-5/12-A** (with a length of 5m [16.4 ft]) and **VKHM-Z-10/12-A** (with a length of 10m [32.8 ft]) are combination I/O and power cables designed for use with di-soric machine vision cameras.

The **CS60-Y-1/12-A** is a specialized cable designed to allow the user to easily integrate an external light equipped with a 4-pin connector to sync the light with the camera trigger signal.

di-soric Cables Selection Guide

Part Number	Price	Connection 1	Connection 2	Connection 3	Shielding	Cable Length
<u>VKHM-Z-5/12-A</u>	\$--6ihj:	12-pin M12 quick-disconnect	Pigtail	N/A	Shielded	16.4 ft [5m]
<u>VKHM-Z-10/12-A</u>	\$-06ihk:	12-pin M12 quick-disconnect	Pigtail	N/A	Shielded	32.8 ft [10m]
<u>CS60-Y-1/12-A</u>	\$-06ihq:	12-pin M12 quick-disconnect	12-pin M12 quick-disconnect	4-pin M12 quick-disconnect	Shielded	3.7 ft [1.1 m]

Cable Pinouts

**VKHM-Z-5/12-A** and **VKHM-Z-10/12-A****CS60-Y-1/12-A**

Connection Cables X-Coded Data

Industrial Ethernet Shielded M12 X-Coded Cables

Features

- High flex industrial Ethernet shielded Cat6a cables
- Resistant to welding sparks
- Flame retardant, chemical resistant
- TPE (thermoplastic elastomer) jacket for typical industrial applications

Ethernet Shielded M12 X-coded Cables								
Part Number	Price	Poles/ Pins	Connectors	Jacket		Length	Drawing Link	
				Material	Color	m [ft]		
7700-51101-S4X0100	\$5veg:	8	Male straight M12 to straight RJ45	TPE Thermoplastic Elastomer	Teal	1.0 [3.2]	PDF	
7700-51101-S4X0300	\$5veh:					3.0 [9.8]	PDF	
7700-51101-S4X0500	\$-05vei:					5.0 [16.4]	PDF	
7700-51201-S4X0100	\$-5vej:		Male 90-degree M12 to straight RJ45			1.0 [3.2]	PDF	
7700-51201-S4X0300	\$5vek:					3.0 [9.8]	PDF	
7700-51201-S4X0500	\$,05vef:					5.0 [16.4]	PDF	



7700-51101 Series



7700-51201 Series

Specifications			
Nominal Voltage	60VDC UL rated: 30VDC	Locking Material	Zinc die casting, matte nickel plated
Max Current	0.5 A	Protection Degree	M12: IP66K/67 ; RJ45: IP20
Rated Surge Voltage	1.0 kV	Outer Ø	7.4 mm [0.29 in] ±5%
Transfer Parameters	Cat6a, Class EA (ISO/IEC 11801)	Bend Radius	10 x outer Ø*
Transfer Rate	Up to 10Gbps full duplex	Temperature Range	Cable: -40 to +80°C [-40 to +176°F] Connector: -25 to 85°C [13 to 185°F]
Connection	Connector 1: M12 X-coded Connector 2: RJ45	Wire Material	Copper wire, tin plated
		Approvals	cULus File E362618
Tightening Torque	0.6 N·m	To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.	

*For a linear flex application with a bend radius of 10x of the outside diameter of the cable, you can expect a life of 1 million cycles.
For a linear flex application with a bend radius of 20x of the outside diameter of the cable, you can expect a life of 10 million cycles.