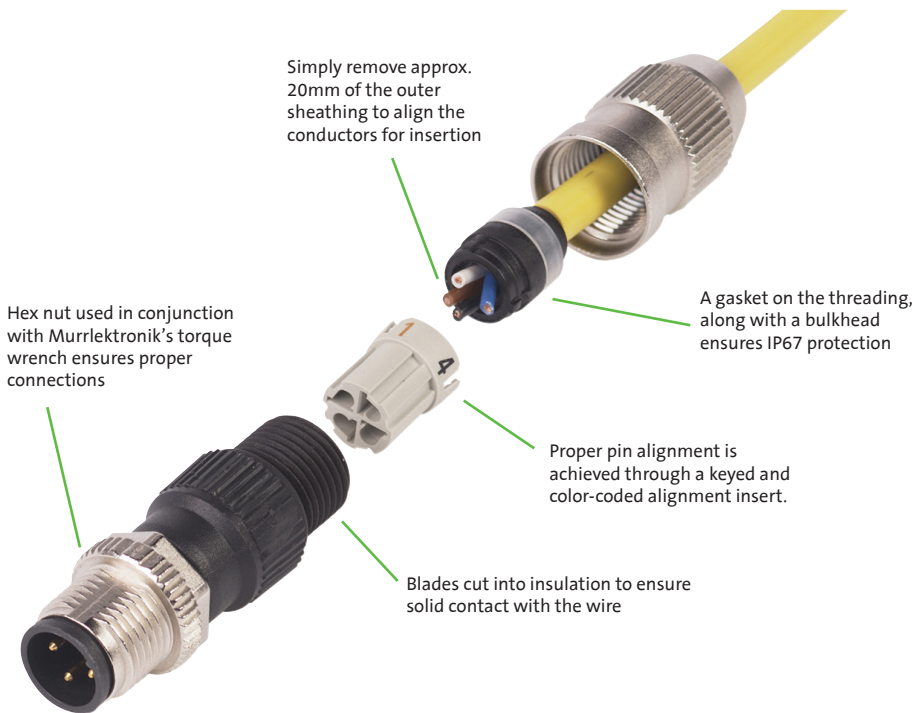


## | IDC: Insulation Displacement Connectors

Murrelektronik's Insulation Displacement Connectors (IDC) are a fast and easy way to terminate cables with M8 or M12 connections. These robust connectors are IP67 rated and can stand up to tough industrial environments.

With minimal tools needed, these connectors are the fastest way to terminate a cable to a connector. IDC products from Murrelektronik take less than 50% of the time it takes to install a traditional screw terminal connector. With razor style blades in the base to make the actual connection to the wire, the IDC connector makes connections easy: simply tighten the strain relief, by hand, with minimal force. No more force is needed than it takes to re-tighten a drink cap.



### Advantages of Insulation Displacement Connectors:

- Male and Female connector options
- Quick turn MQ12 connectors available
- Stripping of individual conductors no longer necessary, simply remove 20mm of the cable jacket
- Color Coded Sleeves for simple conductor alignment
- Keyed compression ring for easy alignment to the terminal pins
- Decrease wiring connection efforts
- IDC connectors reduce the chances for improper pin & conductor alignment
- Maintains the IP67 rating when properly installed

### MURRELEKTRONIK Related Products

#### M12 Cordsets



#### M8 Cordsets



#### MQ12 IDC















#### MSDD Cable Entry













#### Passive Distribution














## M8 CONNECTORS - Field Wireable, IDC

								
<b>Art. Number</b>	7000-08325-0000000	7000-08345-0000000	7000-08365-0000000	7000-08385-0000000	7000-08331-0000000	7000-08351-0000000	7000-08371-0000000	7000-08391-0000000
<b># of Poles</b>	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole
<b>Pin Diagram</b>								
<b>Type</b>	Male		Female		Male		Female	
<b>Style</b>	Plastic Housing				Metal Slimline			
<b>Cross Section</b>	.25 - .5mm <sup>2</sup>				.14 - .34mm <sup>2</sup>			
<b>Strand Diameter</b>	> .1mm							
<b>Core Diameter</b>	1.1 - 1.55mm				1.0 - 1.6mm			
<b>Cable Diameter</b>	2.5 - 5.2mm				2.5 - 5.1mm			

## M12 CONNECTORS - Field Wireable, IDC

								
<b>Art. Number</b>	7000-12461-0000000	7000-12481-0000000	7000-12533-0000000	7000-12581-0000000	7000-12601-0000000	7000-12593-0000000	7000-12671-0000000	7000-12691-0000000
<b># of Poles</b>	3-pole	4-pole	5-pole	3-pole	4-pole	5-pole	3-pole	4-pole
<b>Pin Diagram</b>								
<b>Type</b>	Male			Female			Female	
<b>Style</b>	Standard						With LED	
<b>Outer Wire Dia.</b>	1.2 - 1.6mm		1.2 - 2mm	1.2 - 1.6mm		1.2 - 2mm	1.2 - 1.6mm	
<b>Outer Cable Dia.</b>	4 - 5.1mm		4.7 - 6mm	4 - 5.1mm		4.7 - 6mm	4 - 5.1mm	

								
<b>Art. Number</b>	7000-12541-0000000	7000-12561-0000000	7000-12661-0000000	7000-12681-0000000	7000-12491-0000000	7000-12611-0000000	7000-12511-0000000	7000-12521-0000000
<b># of Poles</b>	3-pole	4-pole	3-pole	4-pole	4-pole		3-pole	4-pole
<b>Pin Diagram</b>								
<b>Type</b>	Male		Female		Male	Female	Male	
<b>Style</b>	Standard				Slimline		For Valve Plugs	
<b>Outer Wire Dia.</b>	1.2 - 1.6mm				1.0 - 1.6mm		1.6 - 2.0mm	
<b>Outer Cable Dia.</b>	4 - 5.1mm				2.9 - 5.1mm		5.5 - 8.0mm	

### TECHNICAL DATA:

Supply Voltage: max. 32V  
 Nominal Current: max. 3A  
 Voltage Isolation: 500V  
 Conductor Diameter: ≥ 0.1mm (Acc. to DIN VDE 0812)  
 Protection: IP67

### OTHER OPTIONS (M12 IDC):

Stainless Steel: Style #7002  
 MQ12 (Quick Connect): Style #7050

7 0 0 0 - \_\_\_\_\_ - 0 0 0 0 0 0 0

Style Form (from chart above)