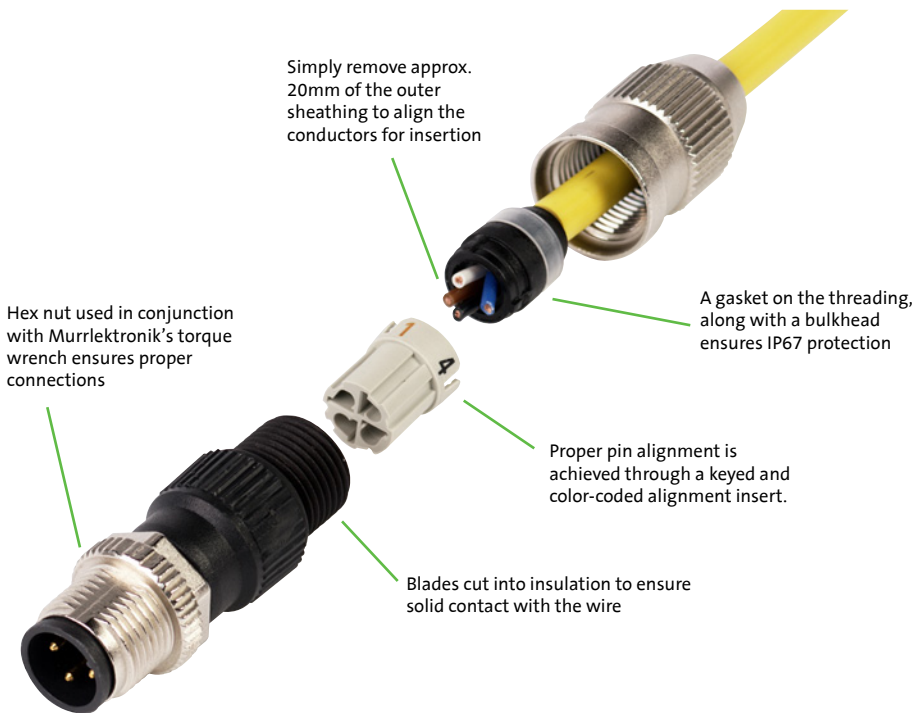


## IDC: Insulation Displacement Connectors

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









								
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# of Poles	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole
Pin Diagram								
Type	Male		Female		Male			
Style	Standard				Slimline			
Outer Wire Dia.	1.2 - 1.6mm							
Outer Cable Dia.	4 - 5.1mm				black gasket 3.2 - 4.4mm, transparent gasket 4.2 - 5.4mm			


## M12 Connectors: Field Wireable, IDC


M12 Connectors: Field Wireable, IDC














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







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

### Technical Data for M8 & M12 IDC:

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

### Other Ordering Options for M12 IDC:

**Stainless Steel:** Style number 7002  
**MQ12:** Style number 7050

7 0 0 0 -      - 0 0 0 0 0 0 0  
 Style                      Form  
                                     (from chart above)