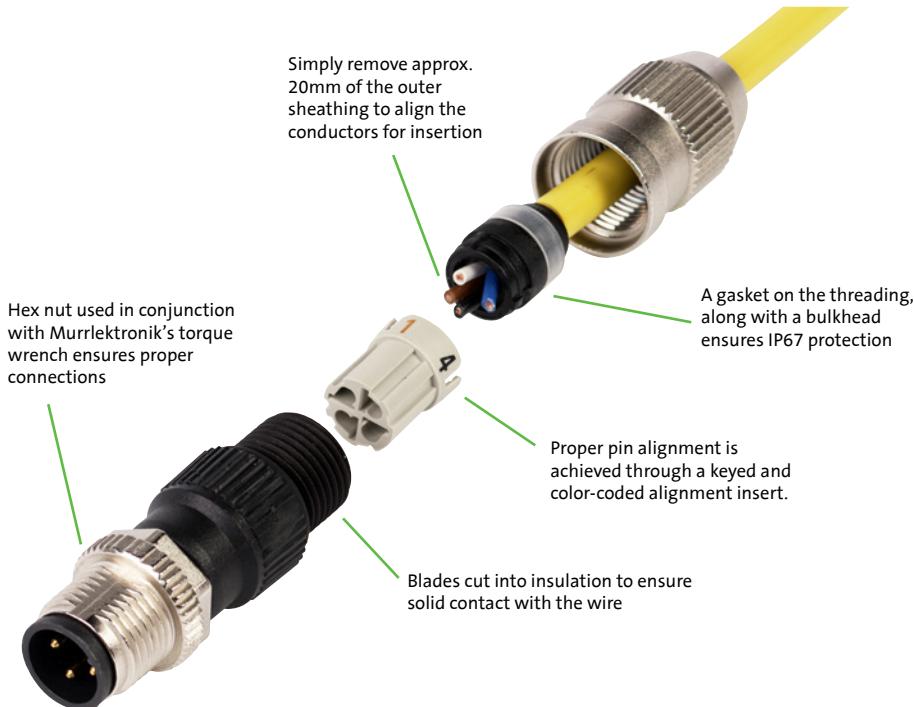




IDC: Insulation Displacement Connectors

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



COMPACT

M8 Connectors: Field Wireable, IDC

							
Art. Number	7000-08321-0000000	7000-08341-0000000	7000-08361-0000000	7000-08381-0000000	7000-08331-0000000	7000-08351-0000000	7000-08371-0000000
# of Poles	3-pole	4-pole	3-pole	4-pole	3-pole	4-pole	3-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

							
Art. Number	7000-12461-0000000	7000-12481-0000000	7000-12533-0000000	7000-12581-0000000	7000-12601-0000000	7000-12593-0000000	7000-12671-0000000
# of Poles	3-pole	4-pole	5-pole	3-pole	4-pole	5-pole	3-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
# of Poles	3-pole	4-pole	3-pole	4-pole		4-pole	3-pole
Pin Diagram							
Type	Male		Female		Male	Female	Male
Style		Standard					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 0 0
Style Form (from chart above)