HARTING

Pushing Performance
Since 1945

PEOPLE. POWER. PARTNERSHIP.

HARTING
Field Attachable Connectivity

Introduction

FIELD WIREABLE CONNECTORS - SAVE UP TO 25% OF YOUR TIME

Fast, process safe, intuitive and made for harsh industrial environments: field wireable connectors safe up to 25% time and simplify the installation of ethernet networks.

Reduce the time and effort required to install industrial networks. For field work directly at the machine, HARTING offers 3 genuis connector solutions that can be mounted quickly and intuitively without special tools, allow flexible cable lengths and are robust for industrial environments.

FIELD WIREABLE CONNECTORS - CHECK 3 GENIUS HELPERS

RJ Industrial® Multifeature
Absolutely robust and reliable with integrated cutting tools for quick, easy and tool-less assembly.

preLink® Ethernet cabling system
Highly flexible all-purpose solution (RJ45, M12, Extender) that can be connected in seconds using a termination block.

HARAX® toolless rapid termination
M8 and M12 circular connectors can be easily assembled by hand on-site. The contact is established via insulation displacement contacts.
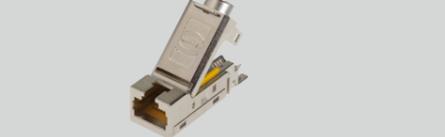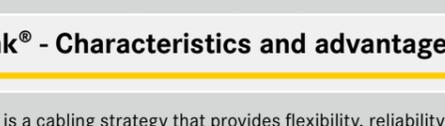
RJ Industrial® RJ45 Multifeature connectors

Cable side

+85 -40 CAT. 5	RJ Industrial® connector Multi-Featured ▪ 4 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1140
+85 -40 CAT. 5	RJ Industrial® connector Multi-Featured angled 90° (4 possible directions) ▪ 4 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1141
+85 -40 CAT. 5	RJ Industrial® connector Multi-Featured angled 35° (4 possible directions) ▪ 4 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1142
+85 -40 CAT. 6$_A$	RJ Industrial® connector Multi-Featured ▪ 8 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s and 1/10 Gbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1570
+85 -40 CAT. 6$_A$	RJ Industrial® connector Multi-Featured angled 90° (4 possible directions) ▪ 8 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s and 1/10 Gbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1571
+85 -40 CAT. 6$_A$	RJ Industrial® connector Multi-Featured angled 35° (4 possible directions) ▪ 8 IDC contacts, can be assembled in the field without tools ▪ Conductors AWG 26-22, solid/stranded ▪ Transmission rate: 10/100 Mbit/s and 1/10 Gbit/s ▪ Integrated blades cut the wire cores to the correct length	09 45 151 1572

RJ Industrial® RJ45 Multifeature connectors - Characteristics and advantages

RJ 45 for industrial IP20 enviroments: Our new RJ Industrial® Multifeature is absolutely robust and reliable with integrated cutting tools for quick, easy and tool-less assembly. This can save you up to 25 % time when installing the Ethernet infrastructure.
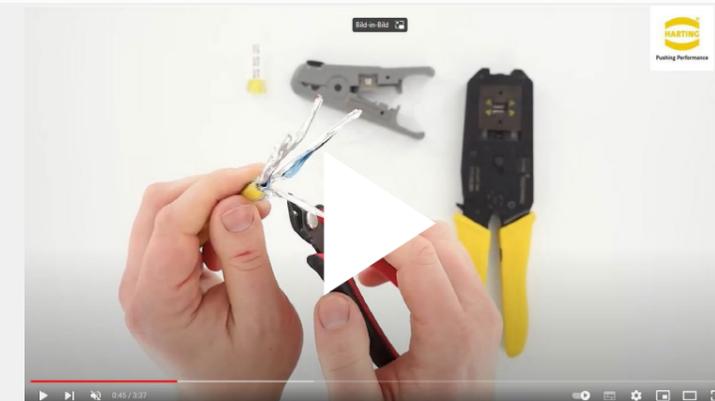

preLink® Ethernet cabling system

Cabling system

Connection of preLink® cables		CAT. 6$_A$
Cable 4 or 8 wires AWG 22-24	Yellow	20 82 000 0001
Cable 4 or 8 wires AWG 26-27	White	20 82 000 0003
RJ45 preLink® connector		CAT. 6$_A$
Straight		20 82 101 0020
90° angled (with 4 directions)		20 82 101 0021
35° angled (with 4 directions)		20 82 101 0022
RJ45 preLink® jacks in Keystone format		CAT. 6$_A$
Straight version		20 82 500 0001
Angled 90° version		20 82 500 0002
RJ45 preLink® jack in HIFF format		20 82 000 0002
preLink® extender		20 82 101 0001
RJ Industrial® waterproof coupler housing ▪ Polyamide (PA) ▪ IP65/IP67		09 45 805 0000
preLink® tool ▪ Simultaneously cuts and connects all IDC contacts ▪ Ratchet mechanism		20 82 000 9901
preLink® system cables ▪ PUR cable - S/FTP		

Connector 1	Connector 2		
preLink®	preLink®	Yellow	20 82 600 2xxx
DualBoot® RJ45	preLink®	Yellow	20 82 601 1xxx

preLink® - Characteristics and advantages

preLink® is a cabling strategy that provides flexibility, reliability and ease of use for Ethernet networks.
The termination system creates a detachable connection between the cable and connector.

M12 Circular connectors

D-coded - Cat. 5 (4 wires)	**Cable side**	IP65 IP67	M12 slim design, D-coded, male ■ 4 contacts (IDC) ■ Shielded 360°	
			Conductors AWG 26	21 03 382 1410
			Conductors AWG 22	21 03 382 1400
		IP65 IP67	M12 connector male D-coded ■ 4 contacts (IDC) ■ Shielded 360° ■ Conductors AWG 26-22	21 03 281 1405
		IP65 IP67	M12 PushPull connector male D-coded ■ 4 contacts (IDC) ■ Shielded 360°	
			Conductors AWG 26	21 03 382 1411
			Conductors AWG 22	21 03 382 1401
		IP65 IP67	M12 connector male D-coded ■ preLink® (AWG 27-22) ■ Shielded 360°	20 82 005 0001
		IP65 IP67	M12 slim design D-coded, female ■ 4 contacts (IDC) ■ Shielded 360°	
			Conductors AWG 26	21 03 382 2410
			Conductors AWG 22	21 03 382 2400
		IP65 IP67	M12 connector female, D-coded ■ 4 contacts (IDC) ■ Shielded 360° ■ Conductors AWG 26-22	21 03 281 2405
	Device side	IP65 IP67	M12 connector female D-coded ■ PFT (panel feed-through) ■ 4 contacts (IDC) ■ Shielded 360° ■ Conductors AWG 26-22	21 03 381 2425
		IP65 IP67	M12 PushPull, D-coded ■ PFT (panel feed-through) ■ preLink® (AWG 27-22) ■ Shielded 360°	20 82 005 2001

M8 Circular connectors

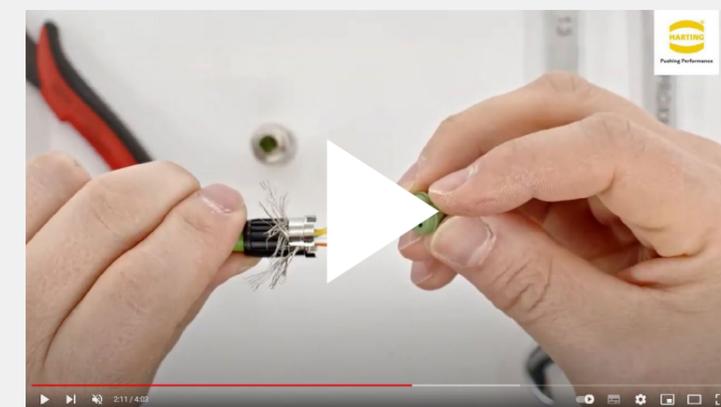|				
D-coded - Cat. 5 (4 wires)	IP65 IP67	M8 connector D-coded ■ 4 contacts (IDC) ■ Shielded ■ Conductors AWG 22		
			Male	21 02 185 1405
			Female contact	21 02 185 2405
	IP65 IP67	M8 PushPull connector male D-coded ■ 4 contacts (IDC) ■ Shielded ■ Conductors AWG 22		21 02 185 1430
P-coded - Cat. 5 (4 wires)	IP65 IP67	M8 connector P-coded ■ 4 contacts (IDC) ■ Shielded ■ Conductors AWG 22		
			Male	21 02 145 1405
			Female contact	21 02 145 2405
	IP65 IP67	M8 PushPull connector male P-coded ■ 4 contacts (IDC) ■ Shielded ■ Conductors AWG 22		21 02 145 1430

M8 connector - Characteristics and advantages

The M8 connector is 30% more compact than the M12, which is significant for small sensors or actuators.
Like the M12, the M8 PushPull version does not need to be connected using the screw thread saving time.

	D-coded Cat. 5 (10/100 Mbit/s - 100 MHz)		P-coded Cat. 5 (10/100 Mbit/s - 100 MHz)

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local website.