



Industrial Ethernet Cables

PROFINET compliant, suitable for EtherCAT and EtherNet/IP

Benefits

- Can be used in dry or damp rooms
- Screened against interference
- Can be used for Industrial Ethernet in harsh industrial environments
- 2pair: 10/100 Mbit/s for Industrial Ethernet
- Power over Ethernet

Application range

- for industrial secondary and tertiary cabling according to EN 50173-3 and ISO/IEC 24702
- Wiring of machines, tools, devices, appliances and control cabinets
- max. patch lengths: 100 m
- Flame retardant acc. to IEC 60332-1-2

Product Design

- Outer sheath: PVC
- Overall screening with copper braid (coverage 85 %) and plastic-laminated aluminum foil
- Color: green (based on RAL 6018)



Article number 2170891

- For **fixed installation**, PROFINET Type A
- Conductor: Solid bare copper wire 22 AWG
- UL/CSA-approved (CMX)



Article number 2170893

- For **fixed installation**, PROFINET Type A
- FC: **"Fast Connect"** cable design
- Conductor: Solid bare copper wire, 22 AWG
- UL/CSA-approved (PLTC, CMG Listing)



Article number 2170886

- For **flexible applications**, PROFINET Type B
- FC: **"Fast Connect"** cable design for simplified connector assembly
- Conductor: Stranded tinned 7-wire conductor, 22 AWG
- UL/CSA-approved (CMG Listing)



Matching connectors

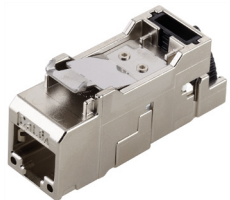
RJ45 connector

Article number	Design	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. core diameter including insulation	AWG solid	AWG 7-wire
PROFINET colour-coding (2-pairs)								
21700605	Straight, latched	ED-IE-AX-5-PN-20-FC	5	9	1	1,6	24 - 22	27 - 22
21700651	Straight, screwed	ED-IE-AXS-5-PN-20-FC	5,5	10	1	1,6	24 - 22	27 - 22
21700638	Angled, screwed	ED-IE-90-6A-PN-20-FC	5,5	10	1	1,6	24 - 22	27 - 22



RJ45 coupler

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Max. core diameter including insulation
RJ45 coupler acc. to T568A				
21700611	ED-IE-AX-RJ45F-6A-A-FC	5	9	1,6
RJ45 coupler acc. to T568B				
21700612	ED-IE-AX-RJ45F-6A-B-FC	5	9	1,6



M 12 connector

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	AWG solid	AWG 7-wire
M12 D-coded plug, straight, colour coding acc. to PROFINET					
21700647	ED-IE-AX-M12D-5-PN-67-FC	6,2	9,7	26-22	26-22
M12 D-coded socket, straight, TIA 568 colour coding					
22261016	AB-C4-M12FSD-SH	4	8	26-22	26-22



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