For sales enquiries 1300 65 75 64 or email info@treotham.com.au

Ethernet cables

Industrial Ethernet cables Cat.7 • Industrial Ethernet Cat.6 - Various applications





- Industrial Ethernet cable
- For PROFINET applications with 4 pairs
- CAT.6, qualified for 10Gbit/s

Technical data



ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable



Peak operating voltage (not for power applications) 125 V



Minimum bending radiusFixed installation: 10 x outer diameter



Characteristic impedance 100 ohm at 1 - 100 MHz



Temperature range

cable with PUR jacket
Fixed installation: VDE -30°C to +80°C;
UL/CSA -30°C to +80°C
flexing: VDE -5°C to +50°C;
UL/CSA -5°C to +80°C
cable halogenfree compound
Fixed installation: -25°C to +80°C
cable with PVC jacket
Fixed installation: -40°C to +80°C



LAPP KABEL STUTTGART ETHERLINE® Cat.6



Benefits

- · Can be used in dry or damp rooms
- · Screened against interference
- Can be used for Industrial Ethernet in harsh industrial environments
- 4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Application range

- For industrial secondary and tertiary cabling according to EN 50173-3 ISO/IEC 24702
- Wiring of machines, tools, devices, appliances and control cabinets
- Max. cable lenght for 100 Mbit/s is 100 m max. cable lenght for 10 Gbit/s is 100 m
- Suitable for EtherCAT and EtherNet/IP applications

Product features

- PUR outer sheath is highly resistant to mineral oils and abrasion
- · Robust, halogen-free outer sheath
- The oil-resistant PVC sheath enables usage in industrial environments
- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference

Product Make-up

- Solid bare copper wire AWG22
- Core insulation made of polyethylene (PE)
- S/FTP: copper braid as overall screening and pair screening with aluminium compound foil
- Colour: green (based on RAL 6018)

Article number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)					
Halogen-free jacket										
2170466	ETHERLINE® Cat.6, H	4 x 2 x AWG22/1	9.0	53	99					
PUR outer sheath, halogen-free										
2170465	ETHERLINE® CAT.6, P	4 x 2 x AWG22/1	9.0	53	91					
PVC outer sheath										
2170464	ETHERLINE® Cat.6 _A Y	4 x 2 x AWG22/1	9.0	53	98					

EPIC® DATA PN 90 RI45 FASTConnect





Info

- · For PROFINET applications
- · Installation without tools
- 4 different angled cable outlets possible



















Technical data



ETIM 5.0 Class-ID: EC001121 ETIM 5.0 Class-Description: Modular connector



Protection rating IP 20



Ambient temperature (operation) -40°C to +85°C

Product

- For PROFINET applications
- Cable outlet in 4 different 90° angles possible
- Housing: zinc die-casting, grey
- Suitable for stranded cores with AWG27/7-22/7 and for solid conductors with AWG24/1-22/1
- Suitable for use in industrial applications
- Colour-coded in accordance with PROFINET for Cat.5 applications

rm references / Approvals

- Field assembly Industrial Ethernet connector, RJ45 according to IEC 60603-7-51
- UL-listed (E-File E353543)

Article number	Article designation	Min. outer diameter (mm)	Max. outer diameter (mm)	Min. Core diameter in mm	Max. Core diameter in mm	AWG solid	AWG 7-wire				
EPIC® DATA PN 90 RJ45											
21700638	ED-IE-90-6 _A -PN-20-FC	5.5	10	1	1.6	24 - 22	27 - 22				

