

Features

- Suitable for drag chain applications with highly flexibility up to 2 Million bends
- Flame resistance: IEC 60332-1; UL 444 CMX
- UV resistance to IEC 60068-2-5 (2 cycle of procedure B)
- Oil resistance to UL758 60°C
- Hydrolysis resistance to VDE HD 22.10
- Halogen-free according to IEC 60754-1; silicone-free; CFC-free



Applications

- Designed for Data networks in industrial environments.
- Profinet Type C cables are made for dynamic applications.

Reference Standard

Cat.5E SF/UTP Specification Standard

Application Standards	IEC 61156-6 Cat. 5E
Supported Data Rate	100 Mbps
Supported Bandwidth	1 to 100 MHz

Construction

Conductors	AWG22 Stranded Bare Copper
Conductor Insulation	Polyethylene
Shielding	Aluminium-laminated plastic, conducting side outward and copper braid, tinned with min. 90% coverage
Outer Jacket Material	PUR
Connector Material	Zinc alloy + Brass
Contact Plating	Gold plating
Cable Boot	PUR

Mechanical properties

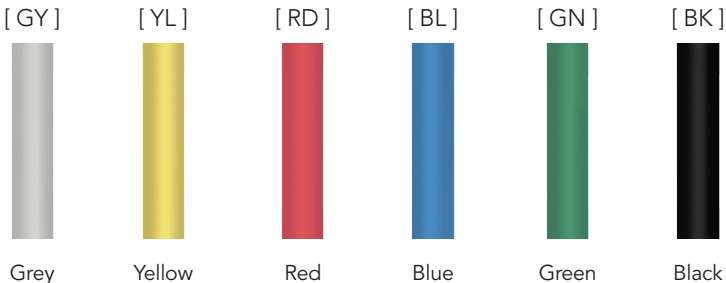
Min. Bending radius	5 x d
Temperature range	during operation: -40°C up to 75°C during installation: 0°C up to 50°C
Bending test	Bending radius 10 x d Operating way max. 1 m Speed max. 60 m/min Cycles min. 2 million Acceleration max. 8.7 m/s ²

Fire behaviour

Flame retardant	IEC 60332-1; UL 444 CMX
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Technical drawing of a cable with a connector. The drawing shows two views: a side view on the left and a front view on the right. The side view shows a cable with a diameter of 14.7 mm and a connector with a length of 31 mm. The front view shows the cable with a length of 47 mm. The connector has a central pin with a right-pointing arrow.

Available colours

[illegible]