Industrial Ethernet cable for riser and general purpose installations, CMR, PLTC and CMG- approval acc. to UL and CSA, suitable for EtherNet/IP applications, 1 up to 10 Gbit/s data transmission

- PLTC (power limited tray cable) for protected use on cable trays

Product description

Application range

- suitable for EtherNet/IP applications
- Fixed installation
- Industrial machinery; plant engineering
- Can be used for Industrial Ethernet in harsh industrial environments
- Methods of Deployment: laying in trunking, ducts, trays, building riser

Benefits

- Wide application range due to multiple certifications
- 4pair: 100Mbit/s up to 10 Gbit/s for Industrial Ethernet

Product Make-up

- Stranded tinned 7-wire conductor

- Core insulation: Based on Polyolefin
- Colour-coded in accordance with EIA/TIA 568A and B
- TP structure
- Cat.6A: S/FTP - copper braid as overall screening and pair screening with aluminium compound foil
- Cat.5e: SF/UTP - copper braid and foil screening as overall screening
- PVC outer sheath

Norm references / Approvals

- c(UL)us Typ CMG (75°C) acc.to UL 444 / CSA 22.2
- c(UL)us Typ CMR acc.to UL 444
- c(UL)us Typ PLTC acc. to UL 13
- UL-AWM-Style 2570
- electrical requirements acc. to IEC 61156-5 Type III

Product features

- High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- Flame-retardant according to CSA FT4
  UL Vertical-Tray Flame Test
- Oil-resistant according to UL OIL RES I

Technical Data

Peak operating voltage	(not for power applications) 125 V
Minimum bending radius	For flexible use:
	15 x outer diameter
	Fixed installation: 10 x outer diameter
Temperature range	Occasional flexing: -25°C to +80°C
	Fixed installation: -40°C to +80°C
Characteristic impedance	100 +/-15 Ohm at 100 MHz