TRONCONNECT LAN CAT6e FTP

Category 6 enhanced, overall foil screened twisted pairs

Used in the secondary and tertiary network level for the implementation of services such as

Cat6 FTP

Application

Gigabit Ethernet, Fast Ethernet, Ethernet etc. The foils screen shields the cable from EMI and the cable is therefore suitable for use in tight cable channels and near power cables or machinery.

Technical Data

Ethernet LAN cable per ISO/IEC 11801 TIA/EIA 5688.2

TEMPERATURES
Operating: -20°C to 70°C

VOLTAGE RATING
Operating: 250V
Test: 1,500V

MIN. BENDING RADIUS
8 x OD

IMPEDANCE
100 (±15) 0

CAPACITANCE
56 nF/km

TENSILE STRENGTH
13.8 Mpa

RESISTANCE (AT 20°C)
Insulation: > 20 MO/km
Electrical: < 74 0/km

Construction

F/UTP 4 x 2 x 24AWG
Annealed bare copper conductors (0.51mm ø)
or Copper cladded aluminium conductors (0.55mm ø)
Core insulation with high density, low molecular weight, polyethylene compound (LDPE) (OD: 0.9mm (±0.05mm))
Twisted pairs assembled around a cross-filler
Solid tinned copper drain wire (Cu version) or copper cladded aluminium (CCA version).
Screened with aluminium/polyester foil tape (100% coverage with 25% overlap)
Outer sheath with special 90oC PVC (RoHS compliant) (OD: 5.8mm (±0.2mm))
Nylon rip cord

Properties & Identification

Flame retardant as per IEC 60332-41
Available in solid or stranded bare copper as well as solid or stranded copper cladded aluminium conductors.
Standard outer sheath colour Grey RAL 7001
Additional colours available on request: x = Grey (GY), Blue (BU), Green (GN), Yellow (YE), Red (RD), White (WH).
Also available in Black outer sheath with UV Protection

Additional

Cable marking: TRONCONNECT DATA CABLE FTP CAT6E 4PAIR 24AWG
ISO/IEC 11801 TIA/EIA 5688.2 (Meter marked)

PART NO.	NO. CORES X SIZE (AWG)	DESCRIPTION	CABLE OD	DRUM WEIGHT (KG/KM)
CAT6EFTP-x	4 x 2 x 24AWG	Cat6e FTP SOLID PURE COPPER	5.8	49.0
CAT6FTP-x	4 x 2 x 24AWG	Cat6e FTP SOLID CCA	5.5	38.0
CAT6EFTPS-x	4 x 2 x 24AWG	Cat6e FTP STRANDED PURE COPPER	6.2	44.0
CAT6FTPS-x	4 x 2 x 24AWG	Cat6e FTP STRANDED CCA	6.0	35.0

Accessories

Connectors:	RJ45 Cat6 Shielded Part no. RJ456EFTP-CL	Surface Mount:	RJ45 Cat6 FTP Part no. SMBD6EFTP-x
Boots:	RJ45 Colour Coded Part no. RJ456EBT-x	Patch Cords:	Cat6 STP Pure Copper or CCA
Inline Connectors:	RJ45 Shielded Part no. RJ456INLINE	Glue Stick:	40 x 11mm Clear Part no. GLUESTICK