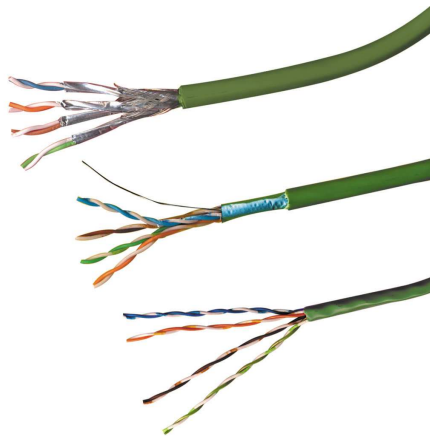


3M™ Volition™ Cat.6 Cables



Belonging to the 3M Copper Cables Portfolio, those Cat 6 Cables are part of our best performance range when using with our K6 jacks, giving highest margins over Cat 6 on EIA/TIA 568B , Class E ISO 11801 and EN 50173 Standards.

An integral cross separator structure ensures permanent stability of the physical structure for enhanced long term performance and reduced crushing risk at cable anchorage points.

The jacket has distance marking which is easy and convenient for the installer and gives a clear identification of cable and links lengths.

A polyester tape between sheath and twisted pairs allows easier stripping.

As a 3M branded product, it offers 3M system identity for corporate quality and warranty approval.

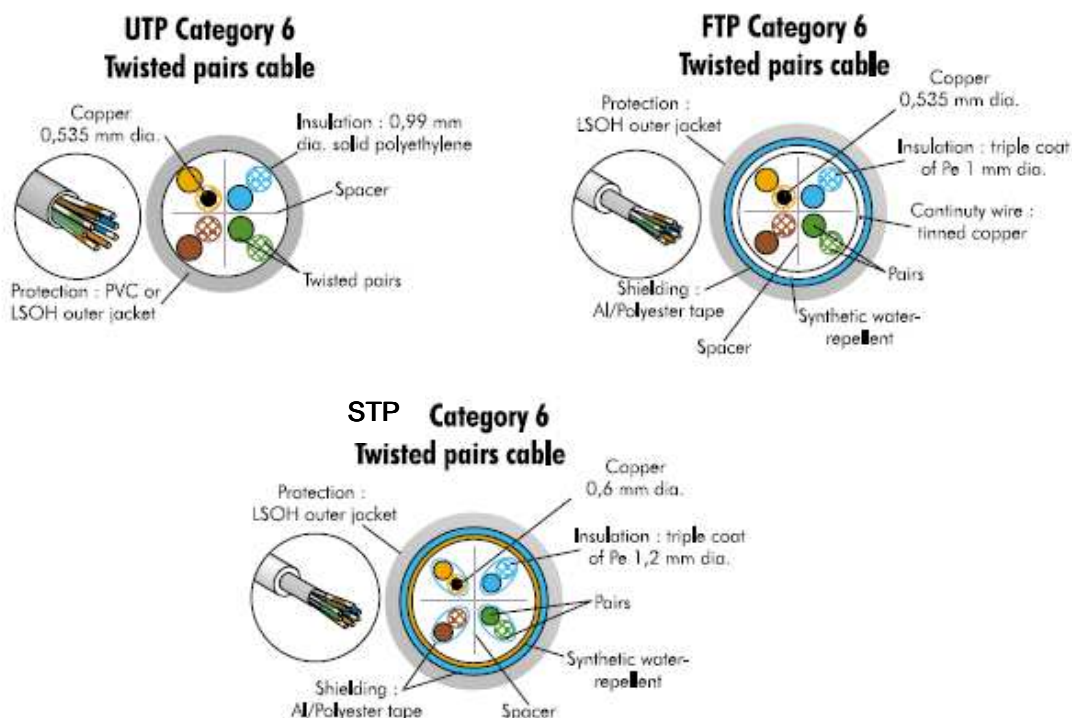
Features

- Polyester tape between sheath & twisted pairs
- Better performance than Cat 6 Standard level
- UTP, FTP with drain wire and STP (Fully Shielded)
- 3M Branded
-
-

Compliant with the following standards :

- EIA/TIA 568B
- ISO 11801
- EN 50169
- EN 50173
- IEEE 802.3 – IEEE 802.5
- CDDI

Specification



Applications

IEEE 802.3 – IEEE 802.5

ATM

CDDI

ISDN

Technical characteristics on UTP :

Size of Conductor : AWG 23 (Solid Anneal copper wire)

Diameter of Dielectric core : 1.0 ± 0.05 mm

Overall Diameter : Ave 6.5 ± 0.2 mm

Capacitance : nom. 15.2 pF/ft

Velocity of Propagation : nom 67%

Rated temperature : 60°C

Operation temperature : -20°C ~ 80°C

DC resistance of conductor : 93.2Ω/km at 20°C

Characteristic impedance : nom. $100 \pm 15\Omega$

Ordering Information

Volition™ Cat.6 PVC 4 Pair UTP cable
Volition™ Cat.6 LSOH 4 Pair UTP cable
Volition™ Cat.6 PVC 4 Pair FTP cable
Volition™ Cat.6 LSOH 4 Pair FTP cable
Volition™ Cat.6 PVC 4 Pair STP cable
Volition™ Cat.6 LSOH 4 Pair STP cable

Ref. No.

VOL- 6UP4- 305
VOL- 6UL4- 305
VOL- 6FP4 - 305
VOL- 6FL4 - 305
VOL - 6SP4 - 305
VOL - 6SL4 - 305

Important Notice

The details contained in this literature have been carefully prepared from information available to 3M at the time of its production. However, it is not intended to be relied upon for purposes of product specification and you should contact your sales representative if specification details are required. Because of the wide variety of processes and conditions in which these products may be used, the user should first carry out tests to determine the suitability of the products for the particular use intended. All questions of warranty and liability relating to 3M products are governed by the selling 3M subsidiary's Terms of Sale subject where applicable to the prevailing law.

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