



3M™ Volition™ 500 MHz 10 Gigabit Cable Category 6A F/FTP LSOH

Volition™10 Gigabit cables are specially designed to ensure total immunity to alien crosstalk to 500 MHz. They were developed to exceed the requirements of the 6 around 1 test, that is, the Powersum of ANEXT effects generated by 6 cables (or 24 pairs) on one pair of an adjacent cable.

All constructions of 10 Gigabit Volition™ cables have general shielding and/or shielding by pair. Volition™ cables have unequalled immunity against AXTLK.

Volition™ 10 Gigabit cables allow easy installation, with no particular precautions, thanks to their round shape. Connection to Volition™ OCK10S8 jack remains simple and natural. Cable laying is easy thanks to the external diameter of the cable, which is the same as the Volition™ Category 6/Class E 250MHz cable. Volition™ 10 Gigabit cables are available in LSOH versions.

Features

- Screening by pair in aluminium/ polyester
- Length markings on the cable sheath
- LSOH sheath, IEC 60332-1 Category C2 type
- Round shape

Benefits

- Alien crosstalk immunity certified up to 500MHz
- Simplified installation
- Complies with public building requirements
- Easy to connect on RJ45 OCK10S8

Standards

Applications

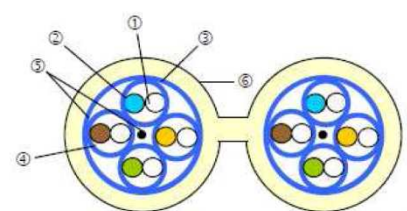
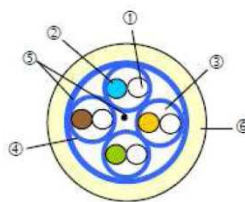
- Ethernet IEEE802.5
- FDDI
- ATM
- RNIS
- IEEE 802.5

Cabling Standards

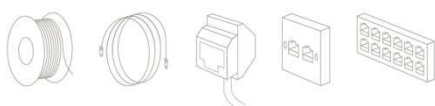
- EN 50173
- ISO/IEC 11801
- TIA/EIA 568
- EN 50188-10 (draft)
- IEC 61156-5 Ed 2 (draft)

Environmental standards

- Fire resistance IEC 60332-1 Cat. C2
- Low smoke emission IEC 61034
- Toxicity/ Corrosion IEC 60754-1/-2



Technology built for business



Electrical characteristics at 20°C

Conductor resistance at 20°C (max)
Insulation resistance (min.)
Dielectric strength at 50Hz
Unbalanced capacitance – pair to ground ()
Propagation Velocity (NVP)
Characteristic impedance at 100 MHz

Cable Performance

Frequency (MHz)	
Max Attenuat. (dB/100m)	Typical Value Cat 6a* (max.)
Next (dB)	Typical Value Cat 6a* (min.)

Ordering Informat

Volition™ Cat 6A Cable, F/FTP 100 Ohm
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