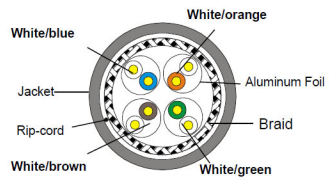


CAT6A S/FTP 4 Pairs PVC Cable



- ### FEATURES
- 23 AWG conductor - solid bare copper cable
 - PVC, LSZH and PE options
 - Supplied in 305m boxes or 500 reels
 - Printed metre marks

| | | | |
|-----------------------------------|---|---------------------------------|--------------------------|
| Sheath Printing | OPTiLite 4/23AWG (PVC / LSZH) ****m | | |
| Category | S/FTP-CAT6A-4P-PVC-TC30 | | |
| Test Standard | ISO/IEC11801, TIA-568-C.2, YD/T 1019 | | |
| Conductor | Material | SOLID-Bare Copper | |
| | Nom.O.D.(mm) | 0.565 | up +0.005 down -0.005 |
| Insulation | Material | Skin-foam-skin PE | |
| | Diameter | 1.330 ± 0.05 mm | |
| Inner Screening Material | Al/Mylar | Drain wire | TC0.45 |
| Outer Screening Material | Tinned Copper 0.10mm | Coverage | 30% |
| | Thickness | 0.55 ± 0.05 mm | |
| Sheath | External O.D. | 7.5 ± 0.5 mm | |
| | Surface | Clean | |
| | Material | PVC (complies RoHS) | |
| | Color | According to the requires | |
| Surface Printing | Letter height | 3.0 ± 0.3mm | |
| | Color | Black | |
| | Print error & Space | ≤ ± 0.5%, 1m | |
| Core Color | White/Blue | White/Orange | |
| | White/Green | White/Brown | |
| Packing | Wooden Tray & Carton | | |
| Tray Dimension | According to the requires | | |
| Packing length | 305 ± 1.0m | | |
| Rip-cord | Yes | | |
| Sheath Physical Properties | Before Aging Tensile Strength (Mpa) | ≥13.5 | |
| | Elongation (%) | ≥150 | |
| | Aging Period (°C×hrs) | 100°C×24h×7d | |
| | After Aging Tensile Strength (Mpa) | ≥12.5 | |
| | Elongation (%) | ≥125 | |
| | Cold bend (-20±2°C×4h) | 8×Cable O.D., No visible cracks | |
| Electrical Characteristics (20°C) | Velocity of Propagation (%) | 74 | |
| | Delay Skew (ns/100m) | ≤ 45 | |
| | Capacitance unbalance to ground (pf/100m) | max 330 | |
| | DC Resistance (Ω/100m) | max 9.38 | |
| | DC Conductor Resistance Unbalance (%) | max 2.0 | |

DIAGRAM & DESCRIPTION

OPTiLite category 6A S/FTP PVC cables is designed to deliver robust standards based performance ensuring optimum bandwidth for today's high speed network applications.

The cable is designed to support horizontal networking applications over distances up to 100 metres.

Cable performance is routinely verified by the independent testing laboratory 3P as part of an ongoing maintenance programme.

Our category 6A S/FTP PVC cable exceeds the minimum specified performance for category 6A S/FTP cables.

Support all class EA applications as defined within ISO/IEC 11801 (2nd Edition): 2010 such as 100GBASE-T (Gigabit Ethernet), 2G FCBASE-T, 4G FCBASE-T and 1000BASE-T (Gigabit Ethernet).

| TRANSMISSION PERFORMANCE (20°C, 100M) | | | | | | | |
|---------------------------------------|------------------------------------|-----------------------------------|-----------------------------|--------------------------------|-------------------------------|----------------------------------|--|
| Frequency (MHz) | Attenuation (\leq dB) | ReturnLoss (>math>\geq</math> dB) | Next (>math>\geq</math> dB) | PS-NEXT (>math>\geq</math> dB) | ELFEXT (>math>\geq</math> dB) | PS-ELFEXT (>math>\geq</math> dB) | Propagation Delay (\leq ns) |
| 1.0 | — | 20.0 | 74.3 | 72.3 | 68.0 | 65.0 | 570.0 |
| 4.0 | 3.8 | 23.0 | 65.3 | 63.3 | 56.0 | 53.0 | 552.0 |
| 8.0 | 5.3 | 24.5 | 60.8 | 58.8 | 49.9 | 46.9 | 546.7 |
| 10.0 | 5.9 | 25.0 | 59.3 | 57.3 | 48.0 | 45.0 | 545.4 |
| 16.0 | 7.5 | 25.0 | 56.2 | 54.2 | 43.9 | 40.9 | 543.0 |
| 20.0 | 8.4 | 25.0 | 54.8 | 52.8 | 42.0 | 39.0 | 542.1 |
| 25.0 | 9.4 | 24.3 | 53.3 | 51.3 | 40.0 | 37.0 | 541.2 |
| 31.25 | 10.5 | 23.6 | 51.9 | 49.9 | 38.1 | 35.1 | 540.4 |
| 62.5 | 15.0 | 21.5 | 47.4 | 45.4 | 32.1 | 29.1 | 538.6 |
| 100.0 | 19.1 | 20.1 | 44.3 | 42.3 | 28.0 | 25.0 | 537.6 |
| 200.0 | 27.6 | 18.0 | 39.8 | 37.8 | 22.0 | 19.0 | 536.5 |
| 250.0 | 31.1 | 17.3 | 38.3 | 36.3 | 20.0 | 17.0 | 536.3 |
| 300.0 | 34.3 | 16.8 | 37.1 | 35.1 | 18.5 | 15.5 | 536.1 |
| 500.0 | 45.3 | 15.2 | 33.8 | 31.8 | 14.0 | 11.0 | 535.6 |

Applicable Standards

The category 6A S/FTP PVC cable is manufactured and tested directly in accordance with the major industry standards:

- ISO/IEC 11801 2nd Edition
- ANSI/TIA 568-C.2
- EN 50173
- IEC 61156-5
- EN 50288-3-1

Fire Performance

Category 6A S/FTP PVC cables exceed the requirements of:

- IEC 60332-1-2
- IEC 60754-2
- IEC 61034



ordering information

DESCRIPTION

- OPTiLite Category 6A Overall Braid Screen (S) with Foil Shielded Twisted Pair (FTP) 23AWG PVC Cable Grey, 305m Reel, SFTP6A3G23-PV ETL Approved
- OPTiLite Category 6A Overall Braid Screen (S) with Foil Shielded Twisted Pair (FTP) 23AWG PVC Cable Grey, 500m Reel, SFTP6A5G23-PV ETL Approved

PART NUMBER

System Warranty:

The OPTiLite Cabling System Warranty provides a 25-year product and applications assurance of compliance with the industry performance standard appropriate to the class of cabling installed. The warranty may be applied for by an accredited OPTiLite Partner who has designed, supplied and installed the said system.

