



Product Description

DME PROLINK's Category 7A S/FTP cables are manufactured and tested to ISO/ IEC 11801 2nd Ed. In Amendment 1 & 2 Category 7A specifications. DME PROLINK's Category 7A S/FTP cable is designed for optimal support of High-Speed data protocols delivering 10 Gbps to 40 Gbps performance to the workstation. Each cable consists of 8 colour coded 0.56mm polyolefin Foam-Skin insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. Each pairs are then wrapped with Aluminium/ Polyester foil. Then an overall braid wrapped around all pairs. DME PROLINK's CAT7A cable is designed for quick and easy installation where no special tools are required. CAT7A cable is supplied in 305m Drums.

Features & Benefits

- Enhanced Performance meeting Category 7A specifications up to 1000 MHz
- Performance compliance to ISO/IEC 11801
- Third Party verification from ETL Intertek
- 0.56mm, Solid Bare Copper
- Low Smoke Zero Halogen
- Flame Test: IEC 60332-1, IEC60332-3C, CMX
- 25 Years System Warranty

Standards Complied and Verified for Category 7A Cable Performance

- ISO/IEC 11801:2011 (Ed.2.2)
- IEC 61156-5:2012 (Ed.2.1)
- EN 50288-4
- YD/T1019

Supporting Applications

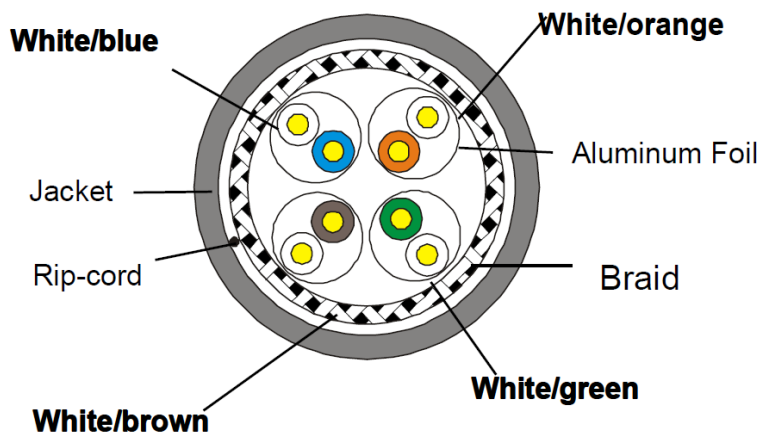
- 10G BASE-T
- 1.2 Gbps ATM
- 1000BASE-T (Gigabit Ethernet)
- 155/662 Mbps ATM
- 100BASE-T (IEEE 802.3)
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-VG-AnyLAN
- 4/16 Mbps TOKEN RING (IEEE 802.5)
- 10BASE-T (IEEE 802.3)

Standards Complied and Verified for Category 7A Cable – Flammability, Halogen acidity & Smoke Performance

- EC 60332-1-2
- IEC 60754-[1,2]
- IEC 61034-[1,2]

Specification

| | |
|---|-------------------------------------|
| Overall Diameter (mm) | 7.8 ± 0.5mm |
| Sheath Surface | Clean, Frap, Satiation |
| Sheath Thickness | 0.55 ± 0.05mm |
| Insulation Material | Skin Foam Skin PE |
| Insulation Diameter | 1.330 ± 0.05mm |
| Conductor Diameter (mm) | 0.56 (± 0.005) |
| Conductor Material | Solid Bare Copper |
| Inner Screening Material | Aluminum Foil |
| Outer Screening Material | Tinned Copper 0.10mm. Coverage ≥40% |
| Rip-cord | Yes |
| Mean Input Impedance (Ω) @ 1-1000 MHz | 100 ± 25 Ω |
| Delay Skew (ns/100m) | ≤ 25 |
| Max. DC Resistance (Ω/100m) @ 20°C | 9.5 |
| DC Conductor Resistance Unbalance (%) max | 2.0 |
| Unbalanced-To-Ground Capacitance (pF/100m) Max. | 330 |
| Nominal Velocity of Propagation (NVP) | 74% |
| Drain Wire | No |
| Max. Pulling Force (N) | 100 |
| Min. Bend Radius during Installation | 8xD (Overall diameter) |
| Min. Bend Radius after Installed | 4xD (Overall diameter) |
| Installation Temperature Range | -30°C to +50°C |
| Operating Temperature Range | -20°C to +70°C |
| Packing Length (Meters) | 305 ± 1.0m |



Technical Performance (100m)

| Freq. (MHz) | RL (Min. dB) | ATTN (Max. dB/100m) | NEXT (Min. dB) | PSNEXT (Min. dB) | ELFEXT (ACR-F) (Min. dB/100m) | PSELFEXT (PSACR-F) (Min. dB/100m) | PHASE DELAY (≤ns) |
|-------------|--------------|---------------------|----------------|------------------|-------------------------------|-----------------------------------|-------------------|
| 1 | 20.0 | 2.0 | 78.0 | 75.0 | 78.0 | 75.0 | 570.0 |
| 4.0 | 23.0 | 3.74 | 78.0 | 75.0 | 78.0 | 75.0 | 552.0 |
| 8.0 | 24.5 | 5.24 | 78.0 | 75.0 | 75.9 | 72.9 | 546.7 |
| 10.0 | 25.0 | 5.86 | 78.0 | 75.0 | 74.0 | 71.0 | 545.4 |
| 16.0 | 25.0 | 7.41 | 78.0 | 75.0 | 69.9 | 66.9 | 543.0 |
| 20.0 | 25.0 | 8.29 | 78.0 | 75.0 | 68.0 | 65.0 | 542.0 |
| 25.0 | 24.3 | 9.29 | 78.0 | 75.0 | 66.0 | 63.0 | 541.2 |
| 31.25 | 23.6 | 10.41 | 78.0 | 75.0 | 64.1 | 61.1 | 540.4 |
| 62.5 | 21.5 | 14.88 | 75.5 | 72.5 | 58.1 | 55.1 | 538.6 |
| 100 | 20.1 | 19.02 | 72.4 | 69.4 | 54.0 | 51.0 | 537.6 |
| 150 | 18.9 | 23.56 | 69.8 | 66.8 | 50.2 | 47.2 | 536.9 |
| 200 | 18.0 | 27.47 | 67.9 | 64.9 | 48.0 | 45.0 | 536.5 |
| 250 | 17.3 | 30.97 | 66.4 | 63.4 | 46.0 | 43.0 | 536.3 |
| 300 | 16.8 | 34.19 | 65.2 | 62.2 | 44.5 | 41.5 | 536.1 |
| 600 | 14.7 | 50.10 | 60.7 | 57.7 | 38.4 | 35.4 | 535.5 |
| 1000 | 13.1 | 66.93 | 57.4 | 54.4 | 34.0 | 31.0 | 535.1 |

Part Number

D0204-SF3LSVT

Horizontal Cable, CAT 7A, S/FTP, 305m, LSZH Sheath, 0.56mm, Violet

Technical Assistance

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