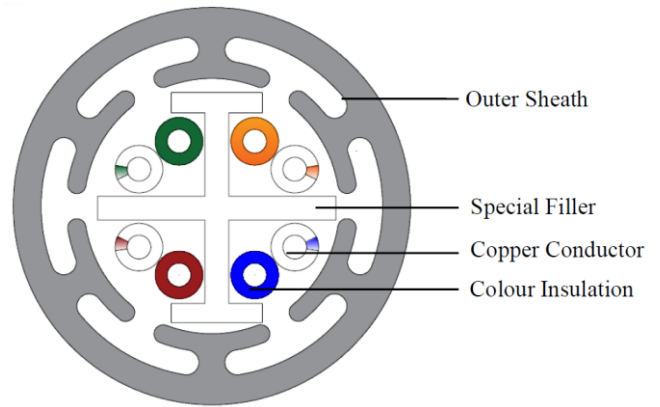
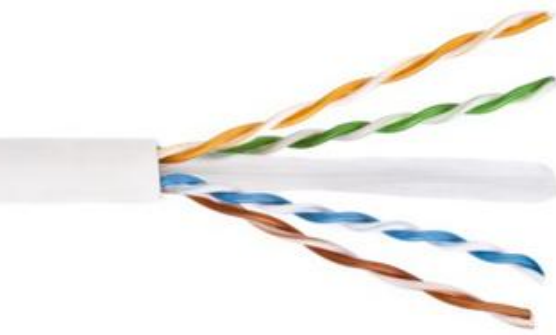


COPPER CABLE

DME PROLINK Category 6A Unshielded Twisted Pair (U/UTP) LSZH Cable



COPPER CABLE



Product Description

DME PROLINK's Category 6A U/UTP cables are manufactured and tested to the TIA/EIA 568.2-D, EN50173-1 and ISO/ IEC 11801-1 Category 6A specifications. DME PROLINK's Category 6A U/UTP cable is designed for optimal support of High-Speed data protocols delivering 10 Gbps performance to the workstation. Each cable consists of 8 colour coded 23AWG polyolefin Foam-Skin insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. DME PROLINK's CAT6A cable is designed for quick and easy installation where no special tools are required. CAT6A cable is supplied in 305m or 500m Drums.

Supporting Applications

- 10G BASE-T
- 1.2 Gbps ATM
- 1000BASE-T (Gigabit Ethernet)
- 55/155 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)

Overall Diameter (mm)	7.8 ± 0.2mm
Sheath Surface	Clean, Frap, Satiation
Sheath Material	LSZH (complies RoHS)
Insulation Material	HDPE
Conductor Diameter (mm)	0.57 (± 0.001)
Conductor Material	Annealed Solid Bare Copper
Mean Input Impedance (Ω) @ 1-500 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1-500 MHz	Max 45
Max. DC Resistance (Ω/100m) @ 20°C	9.38
DC Conductor Resistance Unbalance(%)	Max 5.0
Nominal Velocity of Propagation (NVP)	65%
Ripcord / Drain Wire	No / 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	+0°C to +50°C
Operating Temperature Range	-20°C to +60°C
Packing Length (Meters)	305m or 500m

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Features & Benefits

- Enhanced Performance meeting Category 6A specifications up to 500 MHz
- Performance compliance to ISO/IEC 11801-1 and ANSI/TIA-568.2-D
- AWG 23, Solid Bare Annealed Copper
- Special Filler & Jacket
- Low Smoke Zero Halogen
- Fire rated to IEC 60332-1
- 25 Years System Warranty

Standards Complied and Verified for Category 6A Cable

Flammability, Halogen acidity & Smoke Performance

- EN/IEC 60332-1-2
- IEC 60754-[1,2]
- IEC 61034-[1,2]

Standards Complied and Verified for Category 6A Cable Performance

- ISO/IEC 11801-1:2017
- ANSI/TIA-568.2-D:2018
- IEC 61156-5:2012 (Ed.2.1)
- EN 50173-1:2011;
- EN 50173-2:2007 including amendment A1:2010
- EN 50288-10-1:2012

Technical Performance

Freq. (MHz)	RL (Min. dB)	ATTN (Max. dB/100 m)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT (ACR-F) (Min. dB/100m)	PSELFEXT (PSACR-F) (Min. dB/100m)	Phase Delay ≤ns
1	19.1	1.9	65.0	62.0	67.8	64.8	570.0
4.0	21.0	3.5	64.1	61.8	55.8	52.8	552.0
10.0	21.0	5.5	57.8	55.5	47.8	44.8	545.4
16.0	20.0	7.0	54.6	52.2	43.7	40.7	543.0
20.0	19.5	7.8	53.1	50.7	41.8	38.8	542.1
31.25	18.5	9.8	50.0	47.5	37.9	34.9	540.4
62.5	16.0	14.0	45.1	42.7	31.9	28.9	538.6
100	14.0	18.0	41.8	39.3	27.8	24.8	537.6
200	11.0	26.1	36.9	34.3	21.8	18.8	536.5
250	10.0	29.5	35.3	32.7	19.8	16.8	536.3
300	9.2	32.7	34.0	31.4	18.3	15.3	536.1
500	8.0	43.8	26.7	23.8	13.8	10.8	535.6

Order Guide

D01815-UU5LSGY

Horizontal Cable, CAT 6A, U/UTP, 500m, LSZH Sheath, AWG 23, Grey