



Product Description

DME PROLINK's Category 6A U/UTP Outdoor Cables are manufactured and tested to the TIA/EIA 568.2-D, EN50173-1 and ISO/ IEC 11801 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 High Density polyethylene insulated conductors. Each conductors are twisted together to form 4 pairs with varying lengths. These pairs are then put around a central 'X' shaped polyethylene filler/Separator which helps in maintaining and enhancing the cable performance. DME PROLINK's CAT6A Outdoor cable is designed for quick and easy installation where no special tools are required. CAT6A cable is supplied in "MDF Reel" packaging.

Features & Benefits

- Performance exceeding Category 6A specifications of 500MHz
- Performance compliance to ISO/IEC 11801 and ANSI/TIA-568.2-D
- AWG 23, Solid Bare Copper
- Outer Sheath PE
- 25 Years System Warranty

Standards Complied and Verified for Category 6A Cable Performance

- ISO/IEC 11801-1:2017
- ANSI/TIA-568.2-D:2018
- IEC 61156-5:2009 + AMD1:2012 CSV Consolidated version
- BS EN 50173-1:2018
- EN 50288-6-1:2013

Supporting Applications

- 10G BASE-T
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-T (IEEE 802.3)
- 100BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 10BASE-T (IEEE 802.3)
- 1.2 Gbps ATM
- 55/155 Mbps ATM
- 4/16 Mbps TOKEN RING (IEEE 802.5)

Specification

Overall Diameter (mm)	7.0 ± 0.2
Outer Sheath Type / Color	PE / Black
Insulation Material	High Density Polyethylene
Conductor Diameter / Material	23 AWG / Solid Bare Copper
Impedance (Ω) @ 1-500 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1-500 MHz	≤ 45
Max. DC Resistance (Ω/100m)	9.38
Max. DC Conductor Resistance Unbalance (%)	5.0
Nominal Velocity of Propagation (NVP)	69%
Rip cord	Yes
Max. Pulling Force (N)	115
Min. Bend Radius	< 8 x D (Overall diameter)
Operating Temperature Range	-20°C to +70°C
Packing Length (Meters)	305 ± 1.5

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

Part Number
D01815-UU3PEBK
Horizontal Cable, CAT6A, U/UTP, 305m, PE Sheath, AWG 23, Black