



### Product Description

DME PROLINK's Category 6 U/UTP Outdoor Double Sheath cables are manufactured and tested to the TIA/EIA 568-C2, EN50173-1 and ISO/ IEC 11801 Category 6 specifications. DME PROLINK's Category 6 U/UTP cable is designed for optimal support of High-Speed data protocols delivering 1 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 CAT6 Outdoor Double Sheath cable is designed for quick and easy installation where no special tools are required. CAT6 cable is supplied in "MDF Reel" packaging.

### Features & Benefits

- Performance exceeding Category 6 specifications of 250MHz
- Performance compliance to ISO/IEC 11801 and ANSI/TIA-568-C2
- AWG 23, Solid Bare Copper
- Inner sheath PVC
- Outer Sheath PE
- 25 Years System Warranty

### Standards Complied and Verified for Category 6 Cable Performance

- ISO/IEC 11801:2017
- ANSI/TIA-568-C2:2009
- IEC 61156-5:2009 + AMD1:2012 CSV Consolidated version
- BS EN 50173-1:2018
- EN 50288-6-1:2013

### Supporting Applications

- 10G BASE-T (Length <50m)
- 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)	7.2 ± 0.2
Outer Sheath Type / Color	PE / Black
Inner Sheath Type / Color	PVC / Grey
Insulation Material	High Density Polyethylene
Conductor Diameter / Material	23 AWG / Solid Bare Copper
Impedance (Ω) @ 1-250 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1-250 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)	112.7
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)	Insertion Loss (dB)	NEXT (Min. dB)	PSNEXT (Min. dB)	ELFEXT (ACR-F) (Min. dB/100m)	PSELFEXT (PSACR-F) (Min. dB/100m)	Phase Delay (Max. ns)
1	19.0	3.0	65.0	62.0	64.2	61.2	570.00
4.0	19.0	4.0	64.1	61.8	52.1	49.1	552.00
8.0	19.0	5.7	59.4	57.0	46.1	43.1	547.00
10.0	19.0	6.3	57.8	55.5	44.2	41.2	545.00
16.0	18.0	8.0	54.6	52.2	40.1	37.1	543.00
20.0	17.5	9.0	53.1	50.7	38.2	35.2	542.00
25.0	17.0	10.1	51.5	49.1	36.2	33.2	541.00
31.25	16.5	11.4	50.0	47.5	34.3	31.3	540.00
62.5	14.0	16.5	45.1	42.7	28.3	25.3	539.00
100	12.0	21.3	41.8	39.3	24.2	21.2	538.00
200	9.0	31.5	36.9	34.3	18.2	15.2	537.00
250	8.0	35.9	35.3	32.7	16.2	13.2	536.00

### Part Number

**D01715-UU3PEBK**
**Outdoor Duct Graded, CAT6 Double Sheath (PVC) PE Cable,  
 U/UTP, 305m, 23AWG, Black**