



### Product Description

DME PROLINK's Category 3 U/UTP Multi-pair cables are manufactured and tested to ANSI/TIA 568.2-D, EN50173-1 and ISO/ IEC 11801 Category 3 specifications. DME PROLINK's Category 3 U/UTP Multi-pair cable is designed for Voice Backbone and related applications. Each cable consists of 20 colour coded 0.50mm HDPE insulated conductors. Each conductors are twisted together to form 10 pairs. DME PROLINK's CAT3 cable is designed for quick and easy installation where no special tools are required. CAT3 cable is supplied in "Drum" packaging for fast, snag free installation.

### Features & Benefits

- Performance exceeding Category 3 specifications of 16MHz
- Performance compliance to ISO/IEC 11801 and ANSI/TIA-568.2-D
- 0.50mm, Solid Bare Annealed Copper
- Low Density Polyethylene (LDPE) Sheath
- 25 Years System Warranty

### Standards Complied and Verified for Category 3 Cable Performance

- ISO/IEC 11801:2011 (Ed.2.2)
- ANSI/TIA-568.2-D:2018
- EN 50173
- YD/T1019

### Specification

Overall Diameter (mm)	7.8 ± 1.0
Sheath Thickness (mm)	0.90 ± 0.2
Sheath Surface	Clean, Frap, Satiation
Sheath Material	LDPE
Insulation Material	HDPE

Insulation Overall diameter (mm)	0.87 ± 0.03
Conductor Diameter (mm)	0.50 (± 0.01)
Conductor Material	Solid Bare Annealed Copper
Impedance (Ω) @ 1-16 MHz	100 ± 15 Ω
Delay Skew (ns/100m) @ 1-16 MHz	≤ 45
Max. DC Resistance (Ω/100m)	9.5
Max. DC Conductor Resistance Unbalance (%)	5.0
Rip cord	Yes
Drain Wire	No
Shield	Polyester
Tensile Strength (Mpa)	≥ 10.0
Before Aging Elongation (%)	≥ 350
Aging Period (°C x Hrs)	100°C x 24h x 10d
After Aging Elongation (%)	≥ 300
Cold bend (-20 ± 2 °C x 4h)	No visible cracks
Installation Temperature Range	-20°C to +50°C
Operating Temperature Range	-30°C to +50°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 (Max. ns)
1	12.0	2.60	41.3	41.3	39.0	39.0	570.00
4.0	12.0	5.60	32.3	32.3	26.9	26.9	552.00
8.0	12.0	8.50	27.8	27.8	20.9	20.9	546.73
10.0	12.0	9.70	26.3	26.3	19.0	19.0	545.38
16.0	9.95	13.1	23.3	23.3	14.9	14.9	543.00

### Part Number

**D0154-10UU0.53PEBK** 10-Pair Multicore Outdoor Backbone, CAT3, U/UTP cable, 305m, PE Sheath, 0.50mm, Black