



25
YEARS
SYSTEM WARRANTY

- A:** 1P-25P is tied up with White/Blue Identification tape
B: 26P-50P is tied up with White/Orange Identification tape
C: 51P-75P is tied up with White/Green Identification tape
D: 76P-100P is tied up with White/Brown Identification tape



Product Description

DME PROLINK's Category 3 U/UTP Multi-pair cables are manufactured and tested to ANSI/TIA/EIA 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 200 colour coded 0.50mm HDPE insulated conductors. Each conductors are twisted together to form 100 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 Copper
- Polyvinyl Chloride (PVC) 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)	19.6 ± 0.3
Sheath Thickness (mm)	1.2 ± 0.2
Sheath Surface	Clean, Frap, Satiation
Sheath Material	PVC (RoHS Compliant)
Insulation Material	HDPE

Technical Assistance

Middle East HQ: +971 (4) 8118000

www.dmeprolink.com

DME PROLINK Category 3, 100 Pair, Unscreened Twisted Pair (U/UTP) Indoor cable, with PVC sheath

Insulation Overall diameter (mm)	0.88 ± 0.02
Conductor Diameter (mm)	0.50 (± 0.005)
Conductor Material	Solid Bare 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)	≥ 13.5
Before Aging Elongation (%)	≥ 150
Aging Period (°C x Hrs)	100°C x 24h x 7d
After Aging Elongation (%)	≥ 125
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

D0154-100UU0.53PVGY

100-Pair Multicore Indoor Backbone, CAT3, U/UTP Cable, 305m, PVC Sheath, 0.50mm, Grey