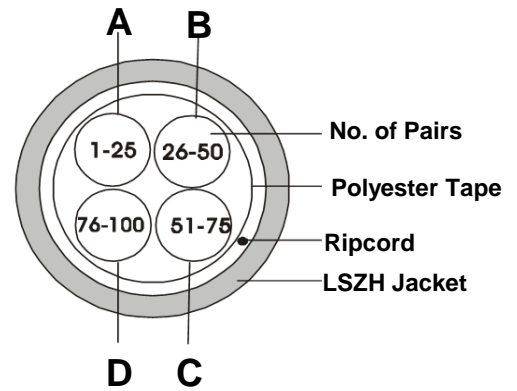


## COPPER CABLE

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



- 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 the TIA/EIA 568-C2, 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-C2
- 0.50mm, Solid Bare Copper
- LSZH Sheath
- 25 Years System Warranty

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

- ISO/IEC 11801:2011 (Ed.2.2)
- ANSI/TIA-568-C2:2009
- EN 50173
- YD/T1019:2001

### Specification

Overall Diameter (mm)	20.2 ± 1.0	Max. DC Conductor Resistance	5.0
Sheath Thickness (mm)	1.0 ± 0.4	Unbalance (%)	
Sheath Surface	Clean, Frap, Satiation	Rip cord	Yes
Sheath Material	LSZH (RoHS Compliant)	Drain Wire	No
Insulation Material	HDPE	Shield	Polyester Tape
Insulation Overall diameter (mm)	0.87 ± 0.02	Tensile Strength (Mpa)	≥ 10.0
Conductor Diameter (mm)	0.50 (± 0.005)	Before Aging Elongation (%)	≥ 125
Conductor Material	Solid Bare Copper	Aging Period (°C x Hrs)	100°C x 24h x 7d
Impedance (Ω) @ 1-16 MHz	100 ± 15 Ω	After Aging Elongation (%)	≥ 100
Delay Skew (ns/100m) @ 1-16 MHz	≤ 45	Cold bend (-20 ± 2 °C x 4h)	No visible cracks
Max. DC Resistance (Ω/100m)	9.5	Installation Temperature Range	-20°C to +50°C
		Operating Temperature Range	-30°C to +50°C
		Packing Length (Meters)	500 ± 1.5

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



COPPER

Freq. (MHz)	RL (Min. dB)	ATTN (Max. dB/100m)	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

### Order Guide

D0154-100UU0.55LSGY

100-Pair Multicore Indoor Backbone, CAT3, U/UTP Cable, 500m, LSZH Sheath, 0.50mm, Grey