

PRO-LU6BL-305M LAN Cable

High performance ANSI/TIA/EIA 568C.2 compliance, Category 6 UTP cables for mission critical LAN applications or structured cabling systems at affordable prices.

SPECIFICATION

U/UTP 4Pairs cable-category6-PVC Sheath
Core diameter: 0.56 mm
Conductor: Cooper

PACKING

1000FT/Reel,1000FT/ Pull

DESCRIPTION

Rated Temperature (°C) -20 ~ +75
Product Standard Certification TIA/EIA 568 -C.2
Flame Listing UL (CM)
UV Stability UV

CONSTRUCTION

CONDUCTOR **SOLID BARE COPPER**
AWG 23
Conductor Dia. (mm) ±0.005 0.56
Insulation PE

AVERAGE THICKNESS (MM) **0.225**
Min. Point Thickness (mm) 0.2
Insulation Dia (±0.01 mm) 0.99
Twisted Pair Dia (±0.02 mm) 2.0

ASSEMBLY DIA (±0.1 MM) **5.0**

JACKET **PVC ROHS**
Average Thickness (mm) 0.5
Min. Point Thickness (mm) 0.4
Outer Dia (±0.15 mm) 6.0
Rip Cord Per request

COLOR

INSULATION COLORS ARE:

Blue,White/Blue
Orange,White/Orange
Green,White/Green
Brown,White/Brown

JACKET COLORS:

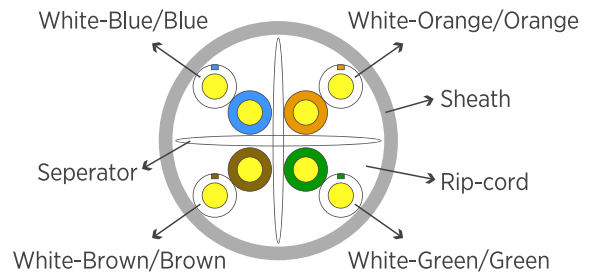
Blue

PERFORMANCE

Rated Temperature (°C) -20 ~ +75
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CROSS SECTION



PERFORMANCE

Electrical Characteristics:

FREQUENCY MHZ	RL DB	ATTENUATION DB	NEXT DB	PSNEXT DB	DELAY (MAX NS)
1.0	23.0	1.96	79.3	74.3	570
4.0	26.0	3.67	70.3	65.3	552
8.0	27.5	5.16	65.8	60.8	547
10.0	28.0	5.77	64.3	59.3	545
16.0	28.0	7.33	61.2	56.2	543
20.0	28.0	8.22	59.8	54.8	542
25.0	27.3	9.22	58.3	53.3	541
31.3	26.6	10.36	56.9	51.9	540
62.5	24.5	14.92	52.4	47.4	539
100.0	23.1	19.21	49.3	44.3	538
200.0	21.0	28.12	44.8	39.8	537
250.0	20.3	31.87	43.3	38.3	536

FREQUENCY MHZ	ELFEXT DB	PSSELFEXT DB	ACR DB	PSACR DB
1.0	72.8	66.8	77.34	72.34
4.0	60.8	54.8	66.60	61.60
8.0	54.7	48.7	60.59	55.59
10.0	52.8	46.8	58.53	53.53
16.0	48.7	42.7	53.91	48.91
20.0	46.8	40.8	51.57	46.57
25.0	44.8	38.8	49.44	44.11
31.3	42.9	36.9	46.52	41.52
62.5	36.9	30.9	37.44	32.44
100.0	32.8	26.8	30.09	25.09
200.0	26.8	20.8	16.67	11.67
250.0	24.8	18.8	11.46	6.46

1.0-100.0MHz Impedance (ohms) 100 ± 15
1.0-100.0MHz Delay Skew (ns/100m) ≤=45
Pair-to-Ground Capacitance Unbalance (pF/100m) ≤=330
Max. Conductor DC Resistance 20 (°C) (ohms/km) ≤=93.8
Resistance Unbalance (%) ≤=5

MECHANICAL CHARACTERISTICS

Test Jacket
Test Material
Before Tensile Strength (Mpa) ≥=85% of unaged
Aging Elongation (%) ≥=50% of unaged
Cold Bend (-) No crack