

LUMIFIBER UTP SOLUTION



CATEGORY 6 UTP STRANDED CABLE

This cable meets or exceeds category 6/class E Attenuation and NEXT requirement in ISO/IEC 11801, CENELEC EN50173 and TIA/EIA 568B. It features an easy to remove cross tape that delivers high performance benefits.

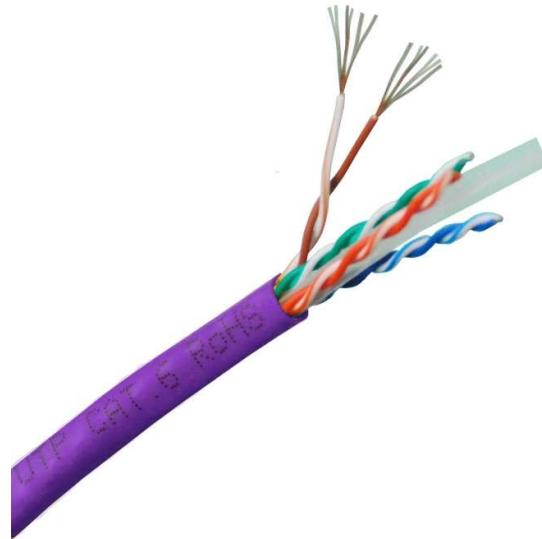
The use of stranded copper allows this type of cable to be installed at places that require high flexibility location such inside the lift cart, robotic arms and etc.

Features:

- Bandwidth up to 250MHz
- Suited for Gigabit Ethernet
- 24AWG Stranded Copper
- Isolation member ensures stability
- Meets different flame requirement
- Blue Jacket (other colour is upon request)
- High Flexibility

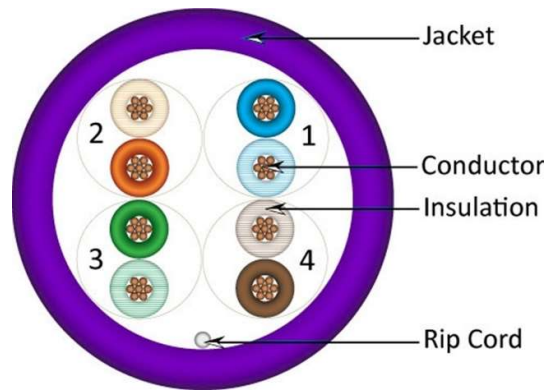
CABLE SPECIFICATION

Material	Stranded Copper
Diameter	0.52 ± 0.008mm (24AWG)
Insulation Diameter	0.94 ± 0.02mm
Cross Skeleton	4.5 x 0.45mm
Jacket Material	PVC / LSZH
Jacket Thickness	≥0.6mm (Avg.)
Jacket Diameter	6.0 ± 0.2mm
Gross Weight	12.5Kg
Bending Radius	≥ 10 x Outer Diameter
Operation Temp	-20 °C to 75°C



ELECTRICAL SPECIFICATIONS

Nominal Velocity of Propagation (NVP)	68%
DC Resistance	9.50Ω/100m
DC Resistance unbalance	5%
Mutual Capacitance @ 1kHz	5.6nF/100m
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500VAC 2500VDC
Operating Voltage, Maximum	80V
Standards	ANSI/TIA/EIA 568-C.2 ISO/IEC 11801:2002 Class E CENELEC EN 50173:2002 RoHS 2011/65/EU REACH EC 1907/2006



Transmission Performance

Frequency (Mhz)	Impedence	RL (dB)	Attenuation (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	DELAY SKEW	
1	100±15	20	2.4	74.3	72.3	67.8	64.8	45.0	30.0
4		23	4.5	65.3	63.3	55.8	52.8	45.0	30.0
8		24.5	6.4	60.8	58.8	49.7	46.7	45.0	30.0
10		25	7.1	59.3	57.3	47.8	44.8	45.0	30.0
16		25	9.1	56.2	54.2	43.7	40.7	45.0	30.0
20		25	10.2	54.8	52.8	41.8	38.8	45.0	30.0
25		24.3	11.4	53.3	51.3	39.8	36.8	45.0	30.0
31.25		23.6	12.8	51.9	49.9	37.9	34.9	45.0	30.0
62.50		21.5	18.5	47.4	45.4	31.9	28.9	45.0	30.0
100		20.1	23.8	44.3	42.3	27.8	24.8	45.0	30.0
200		18.0	34.8	39.8	37.8	21.8	18.8	45.0	30.0
250		17.3	39.4	38.3	36.3	19.8	16.8	45.0	30.0

ORDERING INFORMATION

PRODUCT NUMBER	DESCRIPTION	TYPE	COLOR	LENGTH	PACKAGE
LM-C6-4PUTPS-PVC-BL	CAT6, 4Pair UTP Stranded Copper cable	CMR	Blue	305m	Reel

