

# LUMIFIBER UTP SOLUTION



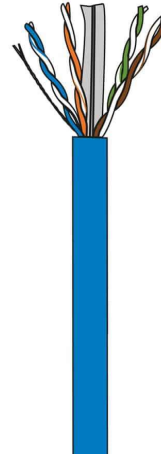
## CATEGORY 6 UTP CABLE

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.

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

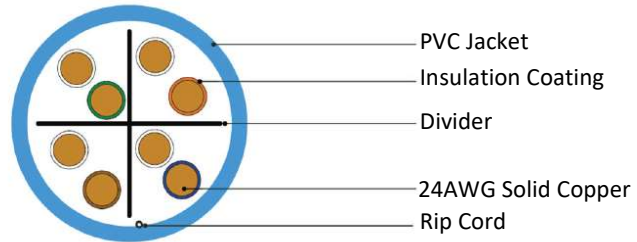
### CABLE SPECIFICATION

Material	Solid Bare Copper
Diameter	0.52 ± 0.008mm (24AWG)
Insulation Diameter	0.94 ± 0.02mm
Cross Skeleton	4.5 x 0.45mm
Jacket Material	PVC
Jacket Thickness	≥0.5mm (Avg.)
Jacket Diameter	5.8 ± 0.2mm
Gross Weight	11.8Kg
Bending Radius	≥ 10 x Outer Diameter
Operation Temp	-20 °C to 75°C



### ELECTRICAL SPECIFICATIONS

Nominal Velocity of Propagation (NVP)	68%
DC Resistance	9.38Ω/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	2.0	74.3	72.3	67.8	64.8	45.0	30.0
4		23	3.8	66.3	63.3	56	53	45.0	30.0
8		24.5	5.3	61.8	58.8	49.9	46.9	45.0	30.0
10		25	6.0	60.3	57.3	48	45	45.0	30.0
16		25	7.6	57.2	54.2	43.9	40.9	45.0	30.0
20		25	8.5	55.8	52.8	42	39	45.0	30.0
25		24.3	9.5	54.3	51.3	40	37	45.0	30.0
31.25		23.6	10.7	52.9	49.9	38.1	35.1	45.0	30.0
62.50		21.5	15.4	48.4	45.4	32.1	29.1	45.0	30.0
100		20.1	19.8	45.3	42.3	28	25	45.0	30.0
200		18.0	29	40.8	37.8	22	19	45.0	30.0
250		17.3	32.8	39.3	36.3	20	17	45.0	30.0

### ORDERING INFORMATION

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