

# LUMIFIBER UTP SOLUTION



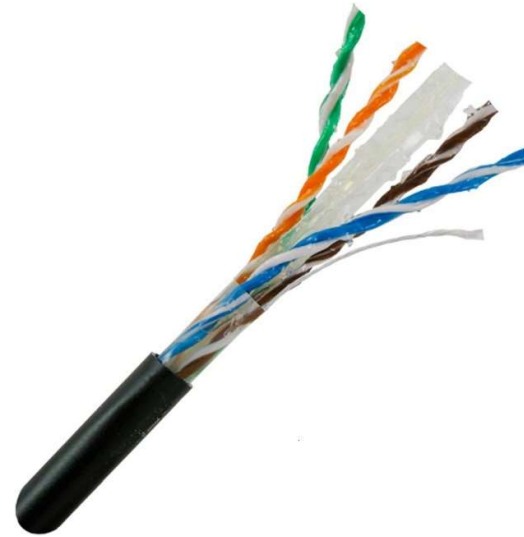
## CATEGORY 6 UTP OUTDOOR JELLY-FILLED CABLE

This cable meets or exceeds category 6/class E Attenuation and NEXT requirement in ISO/IEC 11801, CENELEC EN50173 and TIA/EIA 568B. Its double jacket enable it to be applied at outdoor environment whereby normal PVC jacket cannot last long under various weathers.

- Bandwidth up to 250MHz
- Suited for Gigabit Ethernet
- 23AWG solid bare copper
- Outdoor PE Jacket
- Isolation member ensures stability

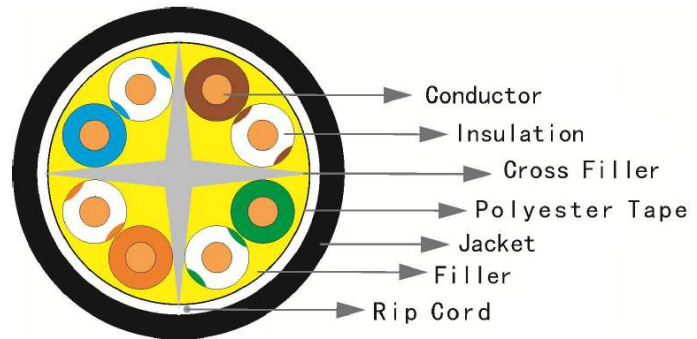
### CABLE SPECIFICATION

Material	Solid Bare Copper
Diameter	0.55 ± 0.005mm (23AWG)
Insulation Diameter	1.2 ± 0.02mm
Cross Skeleton	4.5 x 0.45mm
Filler	Water Blocking Jelly
Jacket Material	Polyethylene (LDPE)
Jacket Thickness	≥0.7mm (Avg.)
Outer Jacket Diameter	8.1 ± 0.5mm
Gross Weight	11.8Kg
Bending Radius	≥ 10 x Outer Diameter
Operation Temp	-20 °C to 60°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	19	2.1	65.0	62.0	63.3	60.3	45.0	30.0
4		19	4.0	63.0	60.5	51.2	48.2	45.0	30.0
8		19	5.7	58.2	55.6	45.2	42.2	45.0	30.0
10		19	6.3	56.6	54.0	43.3	40.3	45.0	30.0
16		18	8.0	53.2	50.6	39.2	36.2	45.0	30.0
20		17.5	9.0	51.6	49.0	37.2	34.2	45.0	30.0
25		17	10.1	50.0	47.3	35.3	32.3	45.0	30.0
31.25		16.5	11.4	48.4	45.7	33.4	30.4	45.0	30.0
62.50		14	16.5	43.4	40.6	27.3	24.3	45.0	30.0
100		12	21.3	39.9	37.1	23.3	20.3	45.0	30.0
200		9	30.5	34.8	31.9	17.2	14.2	45.0	30.0
250		8	35.9	33.1	30.2	15.3	12.3	45.0	30.0

### ORDERING INFORMATION

PRODUCT NUMBER	DESCRIPTION	TYPE	COLOR	LENGTH	PACKAGE
LM-C6-4PUTP-PE-BK	CAT6, 4Pair UTP Outdoor Jelly Filled Copper cable	CMR	Black	305m	Reel