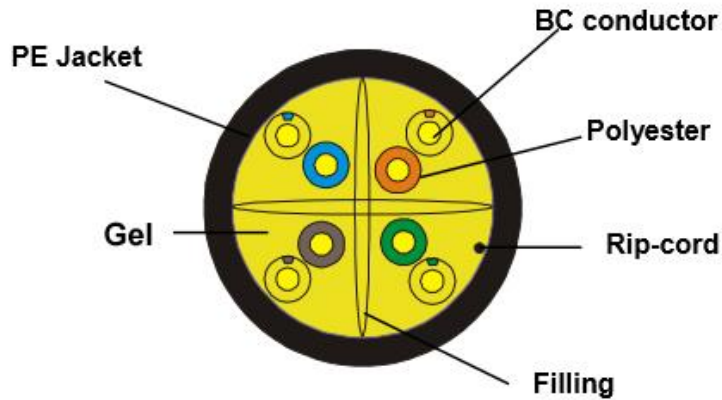


### Category 6 Outdoor UTP Cable



- Standards ANSI/TIA/EIA 568-C.2 and ISO 11801, UL 568.C.2 - Local Area Network Cable Verified for Transmission Performance, UL ANSI 444 - Communication Cables
- 4- Balanced Pairs
- Unshielded Twisted-pair construction
- NFPA / NEC OUTDOOR Rated
- Applications: Voice, Fax, T1, ISDN, 10BASE-T, 100BASE-TX, 100BASE-T4, 100VG-AnyLan, ATM-25, ATM-51, ATM-155, 1000BASE-T

#### Technical Specifications:

CONSTRUCTION:				
Category	CAT6-4P-PE			
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2, UL 568.C.2 - Local Area Network Cable Verified for Transmission Performance, UL ANSI 444 - Communication Cables			
CONDUCTOR:	Material	SOLID BARE COPPER		
	Nom. O.D. (mm)	0.565	Up	+0.005
			Down	-0.005
INSULATION:	DIAMETER:	1.01 ± 0.01 mm		
	MATERIAL:	HDPE		
COLOR	BLUE x WHITE / BLUE WHITE ORANGE x WHITE / ORANGE WHITE GREEN x WHITE / GREEN WHITE BROWN x WHITE / BROWN WHITE			
JACKET:	Thickness	0.60±0.05 mm		
	External O.D.	7.1±0.5 mm		
	Surface	Clean, Frap, satiation		
	Material	LDPE (complies RoHS)		
	Color	Black		
Packing length	305±1.5m			
Rip-cord	Yes	Drain Wire	No	

Jacket Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0
	Elongation(%)	≥350
	Aging Period ( xhrs)	100 x24h×10d °C
	After Aging Elongation(%)	≥300
	Cold bend(-20±2 x4h)	8xCable O.D. °C , No visible cracks
Electrical Characteristics (20) °C	1.0-250.0MHz, Characteristic impedance (Ω)	100±15
	1.0-250.0MHz, Delay Shew 20(ns/100m)	≤45 °C
	DC Resistance 20( Ω /100m) max	9.38°C
	DC Conductor Resistance Unbalance (%)max	5.0

#### TRANSMISSION PERFORMANCE:

##### FLUKE Permanent Link Technical Performance

Frequency (MHz)	Return Loss ≥ dB	ATT ≤dB	NEXT ≥ dB	Delay ≤ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	19.1	3.0	65.0	521	62.0	64.2	61.2
4	21.0	3.5	64.1	504	61.8	52.1	49.1
8	21.0	5.0	59.4	500	57.0	46.1	43.1
10	21.0	5.5	57.8	498	55.5	44.2	41.2
16	20.0	7.0	54.6	496	52.2	40.1	37.1
20	19.5	7.9	53.1	495	50.7	38.2	35.2
25	19.0	8.9	51.5	495	49.1	36.2	33.2
31.25	18.5	10.0	50.0	494	47.5	34.3	31.3
62.5	16.0	14.4	45.1	492	42.7	28.3	25.3
100	14.0	18.6	41.8	491	39.3	24.2	21.2
200	11.0	27.4	36.9	490	34.3	18.2	15.2
250	10.0	31.1	35.3	490	32.7	16.2	13.2

#### Ordering Information:

Part Number	Description
NEW-9806161	Cat-6 UTP GEL OUTDOOR 305m / 1000ft cardboard box