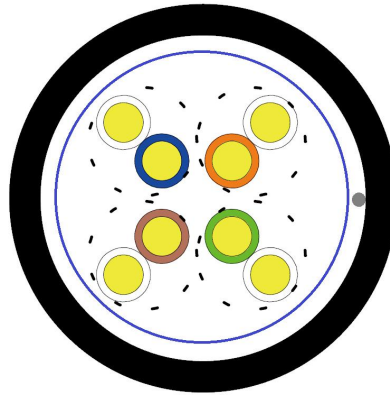


Category 6 UTP Cable for Outdoor Use

Part Number:PROCAT6EXTLITE



Application

Voice, Data, Security and Video Applications.
IP Megapixel CCTV/Analog Installations
Wire Access Points
Gigabit Indoor Video/data installations
Long distance PoE feeding
Generic cabling systems. Outdoor installations.

Standards

ANSI EIA/TIA 568 C.2;
ISO/IEC 11801 2nd Edition; IEC 61156-5
EN 50173; EN 50288-3-1
IEEE 802.3at
UL - E472815
ETL

UV Resistance Rating

EN 50289-4-17

Construction

Conductor	Bare copper wire (AWG23/1)
Insulation	Polyethylene, $\varnothing 1.04 \pm 0.02$ mm
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core, with cross separator
Filling	PE Tap Compound to prevent moisture migration.
Outer Sheath	Black HDPE UV Resistant

Mechanical properties

Minimum bending radius	Installation	10 x D
	Installed	5 x D
Temperature range	during operation	-40 °C ~ + 70 °C
	during installation	-20 °C ~ + 50 °C

Electrical properties @ 20 °C

Dielectric strength	2.5 KV dc-2 seconds
Conductor resistance	Max 7.00 ohm/100M at 20 °C
Max. Ring resistance	16.8 Ohm/100M at 20 °C
Max. Mutual capacitance	560 pf/100M
Max. Capacity unbalance	330 pf/100M
Mean characteristic impedance 100 MHz	100 ± 15 Ω
Nominal velocity of propagation	approx. 67 %
Propagation delay	Nominal 535 ns/100m
Delay skew	Nominal 20 ns/100m
Test voltage (DC, 1 min)	1000 V
Core/Core Coupling attenuation	≥ 50 dB

Nominal transmission characteristics @ 20 °C

Frequency (Mhz)	Impedance (Ω)	RL (dB)	ATT (dB/100)	NEXT (dB)	PS.NEXT (dB)	ELFEXT (dB)	PS-ELFEXT (dB)
0.772	100±15	19.44	1.84	76	74	70	67
1	100±15	20	2.04	74.3	72.3	67.8	64.8
4	100±15	23.01	3.81	65.3	63.3	55.8	52.8
10	100±15	25	5.99	59.3	57.3	47.8	44.8
16	100±15	25	7.6	56.2	54.2	43.7	40.7
20	100±15	25	8.52	54.8	52.8	41.8	38.8
25	100±15	24.32	9.57	53.3	51.3	39.8	36.8
31.25	100±15	23.64	10.74	51.9	49.9	37.9	34.9
62.3	100±15	21.54	15.48	47.4	45.4	31.9	28.9
100	100±15	20.1	19.92	44.3	42.3	27.8	24.8
125	100±22	19.42	22.49	42.8	40.8	25.9	22.9
200	100±22	18	29.15	39.8	37.8	21.8	18.8
250	100±32	17.32	33.04	38.3	36.3	19.8	16.8
300	-	-	36.10	41.0	38.0	32.0	30.0
400	-	-	41.70	39.0	36.0	30.0	28.0

Product Code Table

Product Description	Packing Length	Part Number
23AWG Cat.6 UTP 4P Black HDPE Black	1000ft Wooden Drum	PROCAT6EXTLITE

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