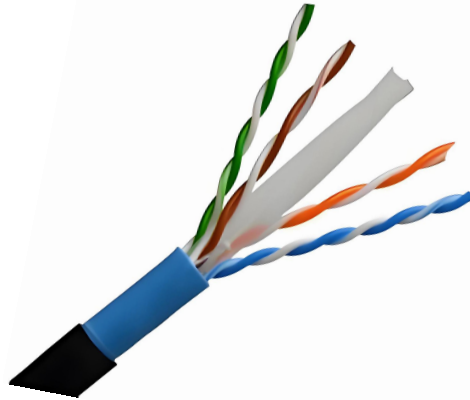


Category 6 CCAM UTP Cable Double Jacket for Outdoor

Part Number: EPCAT6V2EXT



Application

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

Standards

ANSI EIA/TIA 568 B.2 Cat.6 of Channel
ISO/IEC 2nd Edition 11801 Class E of CHANNEL
PVC Comply with the ROHS Directive 2002/95/EC

UV Resistance Rating

EN 50289-4-17

Construction

Conductor	Copper Clad Aluminum Magnesium (AWG23/0.57mm)
Insulation	Polyethylene, $\varnothing 1.02 \pm 0.02$ mm
Insulation Color	Blue/White-Blue, Orange/white-Orange, Green/white-Green, Brown/white-Brown
Twisting	2 cores to the pair
Cable lay up	4 pairs to the core
Ripe Cord	Yes (1000 D)
Inner Sheath	PVC Blue RAL 5015
Diameter	6.0 ± 0.20 mm
Outdoor Sheath	Black LDPE
Diameter	7.2 ± 0.30 mm

Mechanical properties

Minimum bending radius	Installation	8 x D
Temperature range	Installed	4 x D
	during operation	-20 °C ~ + 60 °C
	during installation	0 °C ~ + 50 °C

Electrical properties @ 20°C

Dielectric strength	2.5 KV dc-2 seconds
Conductor resistance	Max 22.00 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

Nominal transmission characteristics @ 20°C

Frequency (Mhz)	Impedance (Ohm)	Insertion loss (dB)		NEXT (dB)	PS.NEXT (dB)
		Max	Min	Min	Min
1	100Ω±15%	2.1		65.0*	62.0*
4	100Ω±15%	4.0		63.0*	60.5*
10	100Ω±15%	5.7		56.6*	54.0*
16	100Ω±15%	8.0		53.2*	50.6
20	100Ω±15%	9.0		51.6*	49.0*
25	100Ω±15%	10.1		50.0*	47.3*
31.25	100Ω±15%	11.4		48.4*	45.7*
62.3	100Ω±15%	16.5		43.4*	40.6*
100	100Ω±22%	21.3		39.9*	37.1*
200	100Ω±22%	31.5		34.8*	31.9
250	100Ω±22%	35.9		33.1*	30.2*

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