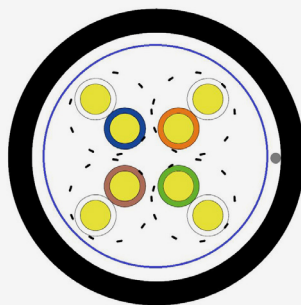


CATEGORY 5E UTP CABLE FOR OUTDOOR USE

PSC-CAT5EXT



Application

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

Standards

- ANSI EIA/TIA 568 C.2;
- ISO/IEC 11801 2nd Edition;
- EN 50173;
- IEEE 802.3at

UV Resistance Rating

EN 50289-4-17

Construction

Conductor	Bare copper wire (AWG24/0.45±0.005mm)
Insulation	Polyethylene, Ø 0.85±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
Filling	PE Tap Compound to prevent moisture migration.
Outer Sheath	Black LDPE UV Resistant
Diameter	5.00±0.2mm

Electrical properties @ 20°C

Electrical properties @ 20°C	
Dielectric strength	2.5 KV dc-2 seconds
Conductor resistance	Max 11 .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	≥ 40 dB

Nominal transmission characteristics @ 20°C

Fre.	Attenuation	NEXT	PS-NEXT	ACR	PS-ACR	ACRF	PS- ACRF	Return loss
(MHz)	dB/100m)	(dB)	(dB)	dB/100m)	dB/100m)	dB/100m)	dB/100m)	(dB)
1	1,9	71	68	69,1	66,1	68	65	20
4	3,7	62	59	58,3	55,3	56	53	23
10	6	56	53	50	47,0	48	45	25
16	7,6	53	50	45,4	42,4	44	41	25
20	8,5	51	48	42,5	39,5	42	39	25
31,2	10,7	49	46	38,3	35,3	38	35	24
62,5	15,7	44	41	28,3	25,3	32	29	22
100	19,8	41	38	21,2	18,2	28	25	20

Product Code Table

Product Description	Packing Length	Part Number
24AWG Cat.5e UTP 4P LDPE Black for outdoor	1000ft Easy Pull Box	PSC-CAT5EXT