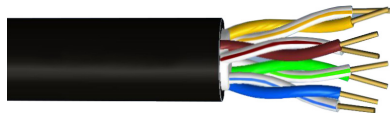


Outdoor LAN Cable CAT 5E **pro-POWER**

**RoHS
Compliant**



Description

Solid 24AWG PACW, UTP, 4Pairs, PE Insulation, Water Resistant Flooding Compound, PE Sheath.

Application

The cable is suitable for outdoor use in duct and for aerial lashing. It is water blocked and has a black sunlight resistant. For high speed data transmission.

IEEE802.3 10BASE-T (ETHERNET)
IEEE802.3 100BASE-T (Fast ETHERNET)
IEEE802.3 1000BASE-T (Gigabit ETHERNET)
IEEE802.5 4/16 Mbps Token Ring
52/155Mbps ATM
100VG-AnyLAN
ANSI X3T9.5 100Mbps TP-PMD

Applicable Standard

ANSI/TIA-568-C.2
IEC 60794-1-2-F5B

Construction

Conductor

Material : Plain Annealed Copper Wire
Size : 24AWG
Construction : Solid

Insulation

Material : PE
Nominal O.D : 0.9mm
Colour : Blue/White-Blue Stripe, Green/White-Green Stripe,
Orange/White-Orange Stripe, Brown/White-Brown Stripe

Filler

Material : Water Resistant Flooding Compound

Sheath

Material : PE
Nominal O.D : 6.3mm
Colour : Black

Physical Properties

Min. Bend Radius : 73mm
Operating Temperature : -30°C to +70°C

www.element14.com
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www.newark.com
www.cpc.co.uk

pro-POWER

Outdoor LAN Cable CAT 5E pro-POWER

Electrical Properties

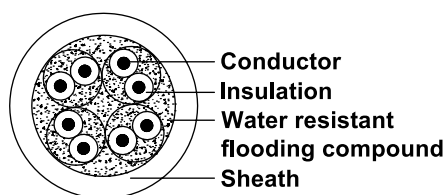
Max. Operating Voltage (UL) : 300V
 Max. DC Resistance @20°C : 93.8Ω/km
 Max. DCR Unbalance @20°C : 5%
 Voltage test : Core to Core : 1.5 kV AC/1min
 Max. Capacitance Pair to Pair : 56pF/m

Transmission Performance

Nom. Velocity of Propagation : 70%
 Max. Delay Skew : 45 ns/100m
 Max. Delay (ns/100m) : 538 @100MHz
 Characteristic Impedance (1-100MHz) : 100 ±15Ω

Freq. (MHz)	Max. IL (dB/100m)	Min. RL (dB/100m)	Min. NEXT (dB/100m)	Min. PSNEXT (dB/100m)	Min. ACRF (dB/100m)	Min. PSACRF (dB/100m)
1	2	20	65.3	62.3	63.8	60.8
4	4.1	23	56.3	53.3	51.8	48.8
8	5.8	24.5	51.8	48.8	45.7	42.7
10	6.5	25	50.3	47.3	43.8	40.8
16	8.2	25	47.2	44.2	39.7	36.7
20	9.3	25	45.7	42.8	37.8	34.7
25	10.4	24.3	44.3	41.3	35.8	32.8
31.25	11.7	23.6	42.9	39.9	33.9	30.9
62.5	17	21.5	38.4	35.4	27.9	24.9
100	22	20.1	35.3	32.3	23.8	20.8

Diagram



Part Number Table

Description	Part Number
Cable, Outdoor CAT 5E, Black, 305m	PP001511

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