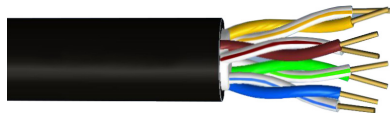


# Outdoor LAN Cable CAT 5E **pro-POWER**

**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](http://www.element14.com)  
[www.farnell.com](http://www.farnell.com)  
[www.newark.com](http://www.newark.com)  
[www.cpc.co.uk](http://www.cpc.co.uk)

**pro-POWER**

# Outdoor LAN Cable CAT 5E

pro-POWER

## Electrical Properties

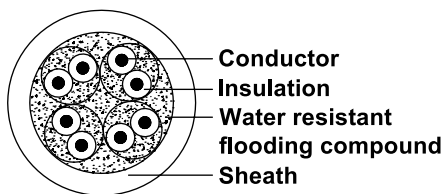
Max. Operating Voltage (UL) : 300V  
Max. DC Resistance @20°C : 93.8Ω/km  
Max. DCR Unbalance @20°C : 5%  
Voltage test : Core to Core : 1.5 kV AC/1min  
Max. Capacitance Pair to Pair : 56pF/m

## 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

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. pro-POWER is the registered trademark of the Group. © Premier Farnell Limited 2016.

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

pro-POWER