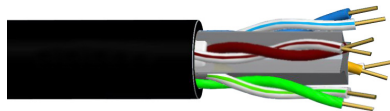


RoHS  
Compliant



## Description

Solid 23AWG PACW, UTP 4Pairs, PE Insulation, Cross-web Separator, 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 : 23AWG  
Construction : Solid

### Insulation

Material : PE  
Nominal O.D : 1.015mm  
Colour : Blue/White-Blue Stripe, Orange/White-Orange Stripe,  
Green/White-Green Stripe, Brown/White-Brown Stripe

### Filler

Material : Cross-web Separator  
Water Resistant Flooding Compound

### Sheath

Material : PE  
Nominal O.D : 7.3mm  
Colour : Black

## Physical Properties

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

# Outdoor LAN Cable CAT 6

pro-POWER

## Electrical Properties

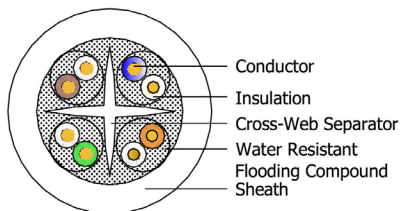
Max. Operating Voltage (UL) : 300V  
Max. DC Resistance @20°C : 73.16Ω/km  
Max. DCR Unbalance @20°C : 5%  
Voltage test : Core to Core : 1.5 kV AC/1min  
Nom. Mutual Capacitance @ 1kHz : 56pF/m

## Transmission Performance

Nom. Velocity of Propagation : 64%  
Max. Propagation Delay Skew : 45 ns/100m  
Max. Capacitance Unbalance @ 20°C : 330pF/100m  
Characteristic Impedance (1-250MHz) : 100 ±15Ω

Freq. (MHz)	Max. IL (dB/100m)	Min. NEXT (dB/100m)	Min. PSNEXT (dB/100m)	Min. RL (dB/100m)	Min. ELFEXT (dB/100m)	Min. PSELFEXT (dB/100m)	Min. LCL (dB/100m)	Min. TCL (dB/100m)	Min. ELTCTL (dB/100m)
1	2.03	74.3	72.3	20	67.8	64.8	40	40	35
4	3.78	65.27	63.27	23.01	55.76	52.76	40	40	23
8	5.32	60.75	58.75	24.52	49.74	46.74	40	40	16.9
10	5.95	59.3	57.3	25	47.8	44.8	40	40	15
16	7.55	56.24	54.24	25	43.72	40.72	38	38	10.9
20	8.47	54.78	52.78	25	41.78	38.73	37	37	9
25	9.5	53.33	51.33	24.32	39.84	36.84	36	36	7
31.25	10.67	51.88	49.88	23.64	37.9	34.9	35.1	35.1	5.5
62.5	15.38	47.36	45.36	21.54	31.88	62.5	32	32	*
100	19.8	44.3	42.3	20.11	27.8	24.8	30	30	*
155	-	-	-	21	-	-	-	-	*
200	28.98	39.78	37.78	18	21.78	18.78	27	27	*
250	32.85	38.33	36.33	17.32	19.84	16.84	26	26	*

## Diagram



## Part Number Table

Description	Part Number
Cable, Outdoor CAT 6, Black, 305m	PP001510

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