

CAT5E OUTDOOR SHIELDED CABLE (DIRECT BURIAL & TOWER CABLE)

Cat5eCableGuy.Com

DESCRIPTION

Category-5E STP with drain wire, Direct Burial & Tower Cable with 24awg Solid-Bare Copper conductors.

FEATURES

- Ideal for Direct Burial & Tower Applications
- High-Performance Data Cable
- Category-5E Shielded Twisted Pair
- 24AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Exceeds TIA/EIA-568B.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214 , ETL Listed
- 1000ft Wooden Spool



27pcs per pallet
(Packaging may vary)

Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Flammability Test	IEC-332-1
Product Standard Certification	CMX
Application	Wiring LAN Cell Tower

Conductor

Size **Solid Bare Copper**

Insulation

Average Thickness (mm)	0.208
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92

Assembly Diameter

Inner Jacket (Gray)

Average Thickness (mm)	0.40
Outer Diameter (±0.10mm)	4.80
AL Foil	Yes
Drain Wire (Tinned Cooper)	7/0.16

Outer Jacket (Black)

Average Thickness (mm)	0.70
Outer Diameter (±0.10mm)	6.60
Rip Cord	Yes

Color of Pairs

Pair 1:Blue,White-Blue Pair 2:Orange,White-Orange
Pair 3:Green,White-Green Pair 4:Brown,White-Brown

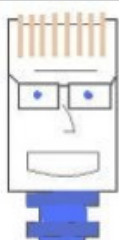
Mechanical Characteristics

Test Object	Jacket
Test Material	LLDPE (UV)
Before Tensile Strength (Mpa)	>=10.6
Aging Elongation (%)	>=300
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend (-40±2° Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED STP 4PR 24AWG OUTDOOR
DIRECT BURIAL (DRY) UV LLDPE CAT5E 350MHz TIA/EIA - 568B.2 RoHS
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Black



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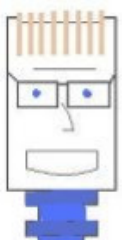
PERFORMANCE

Electrical Characteristics:

1.0-350.0MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	88.5
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	50.3
20	25.0	9.3	48.8
25	24.3	10.4	47.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	41.4
100	20.1	22.0	38.3
155	18.8	28.1	35.5
200	18.0	32.4	33.8
240	17.4	63.0	32.6
300	16.8	41.0	31.2
350	16.3	44.9	30.1

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)
1	66.3	63.8	60.8
4	57.3	51.7	48.7
8	52.8	45.7	42.7
10	51.3	43.8	40.8
16	48.3	39.7	36.7
20	46.8	37.7	34.8
25	45.3	35.8	32.8
31.25	43.9	33.9	30.9
62.5	39.4	27.8	24.8
100	36.3	24.0	21.0
155	33.5	20.0	17.0
200	31.8	17.7	14.7
240	30.6	16.2	13.2
300	29.2	14.2	11.2
350	28.1	12.9	9.9



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Subject to change without notice.