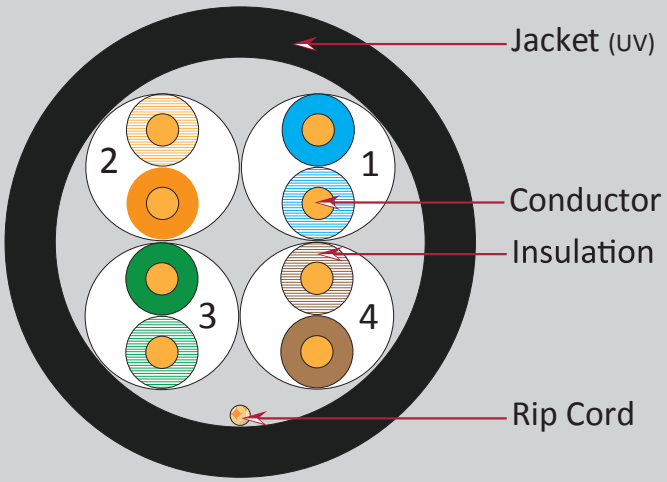
CAT5E OUTDOOR CABLE
UV RATED

DESCRIPTION

Category-5E UTP, 8-Conductor, Outdoor Jacket (UV), AWG24 Solid-Bare Copper.

FEATURES

- **High-Performance Data Cable**
- **350MHz Bandwith for Data Applications**
- **24AWG Solid Copper Conductors**
- **Easily Identified Color-Striped Pairs**
- **Exceeds TIA/EIA-568B.2, ISO/IEC 11801**
- **CAN/CSA -C22.2 No. 214**
- **Outdoor UV Rated Jacket**
- **ETL Listed, 1000ft Pull Box**



Technical Data

Rated Temperature	-40 ~ 75 ºC
Rated Voltage	30V
Reference Standard	TIA/EIA 568 & ISO/IEC 11801

Conductor	**Solid Bare Copper**
Size	24 AWG
Insulation	**PE**
Average Thickness (mm)	0.205
Min. Point Thickness (mm)	0.190
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.82
Assembly Diameter	**3.80**
Jacket (Black)	**LLDPE (UV)**
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.55
Outer Diameter (±0.10mm)	5.10
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
Before Aging	Tensile Strength (Mpa)	>=13.8
	Elongation (%)	>=100
Aging Condition (ºCxhrs)		100x168
After Aging	Tensile Strength (Mpa)	>=85% of unaged
	Elongation (%)	>=50% of unaged
Cold Bend (-20±2º Cx4hrs)		No Crack

Marking on Jacket

NHTD cETLus VERIFIED UTP 4PR 24AWG OUTDOOR UV
CAT5E 350MHz TIA/EIA - 568B.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in
Black

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

CAT5E OUTDOOR CABLE
UV RATED

PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impendance (Ohms)	100±15
100-200MHz Impendance (Ohms)	100±25
200-350MHz Impendance (Ohms)	100±35
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)	93.8
Resistance Unbalance (%)	<=5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)	ACR Typ(dB)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
200	18.0	32.4	30.8	3.5
300	16.8	41.0	28.2	_____
350	16.3	44.9	27.2	_____

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
0.772	64.0	66.0	63.0
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.7
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.