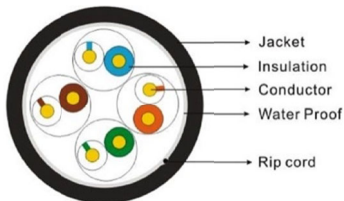



Category 5E 350MHz UTP Direct Burial Outdoor (Waterblock Tape) Cable

Cable Detail		
		
Description		
24 AWG Direct Burial Outdoor High-Performance Cable		
Applicable Standards		
<ul style="list-style-type: none"> • Meets or exceeds TIA-568-C.2 • RoHS Compliant • ATM 155 Mbps • Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4 • 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3) • 16 Mbps Token Ring™ (IEEE 802.5) 		
		
Physical Characteristics		
Conductor Material	Solid Annealed Bare Copper	
Number of Conductor Pairs	4	
Size	24 AWG	
Stranding	Solid	
Insulation Material	HDPE	
Insulation Overall Diameter	0.0341 in. ± 0.0002 in	
Insulation Average Thickness	0.0078 in	
Jacket Material	LDPE (UV)	
Average Wall Thickness	0.020 in.	
Nominal Outer Diameter	0.205 in. ± 0.008 in	
Nominal Weight	25 lbs.	
Shield Material	Unshielded	
Ripcord	Yes	
Mechanical Characteristics		
Temperature Rating	Installation	-40°C to + 75°C
	Operating	-40°C to + 75°C
Tensile Strength	Before	≥ 19 Mpa
Elongation	Aging	≥ 300%
		100°C x 96 hours
	After	≥ 85% of unaged
Aging Condition	Aging	≥ 50% of unaged
		≥ 50% of unaged
Insulation Colors		
Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown
Part Numbers	Jacket Color	Package
5E0SPBK2	Black	1000FT / Reel

Max. Conductor DC Resistance @ 20°C	9.5 Ω / 100 Meters
Maximum DC Resistance Unbalanced @ 20°C	2.5%
Max. Pair-to-Pair Ground Capacitance Unbalance	330 pF / 100 Meters
Characteristic Impedance (1 ~ 350 MHz)	100 ± 15 Ω
Mutual Capacitance	5.6 nF / 100 Meters
Max. Delay Skew	45 nS / 100 Meters

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.04	20.00	65.30	61.00
4	4.05	23.01	56.27	48.96
10	6.47	25.0	50.30	41.00
16	8.25	25.0	47.24	36.92
20	9.27	25.0	45.78	34.98
25	10.42	24.32	44.33	33.04
31.25	11.72	23.64	42.88	31.10
62.5	16.99	21.54	38.36	25.08
100	21.98	20.11	35.30	21.00
350	44.85	16.30	27.14	10.12
Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/100m) Max.	ACR (dB)
1	64.00	61.00	570.00	63.26
4	51.96	48.96	552.00	52.22
10	44.00	41.00	545.38	43.83
16	39.92	36.92	543.00	38.99
20	37.98	34.98	542.05	36.52
25	36.04	33.04	541.20	33.91
31.25	34.10	31.10	540.44	31.16
62.5	28.08	25.08	538.55	21.47
100	24.00	21.00	537.60	13.33
350	13.12	10.12	535.92	-

* Values above 100MHz are information only.

Cable Marking

CATEGORY 5E 350MHZ TO 24AWG 4PR UTP UV RATED OUTDOOR
DIRECT BURIAL *****FT

Electrical Characteristics