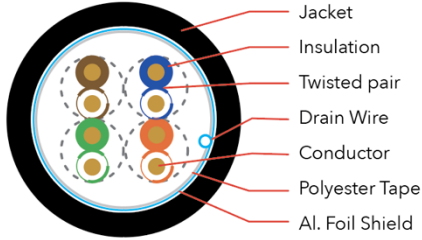


CAT 5E 350MHz FTP PLENUM (CMP) 24/4 SHIELDED FT6 CABLE

Cable Detail



Applicable Standards

- C(ETL) listed FT6 CMP
- C(ETL)US Verified to TIA-568-C.2
- ROHS Compliant



Physical Characteristics

Conductor Material	Solid Bare Copper
Number of Conductors	4
AWG	24 AWG
Stranding	Solid
Insulation Material	FEP
Overall Diameter	0.0374 in. ± 0.0001 in
Average Thickness	0.0086 in
Jacket Material	Flame Retardant PVC
Average Wall Thickness	0.020 in.
Nominal Outer Diameter	0.233 in.
Nominal Weight	31 lbs.
Shielding (Y/N)	Yes (Al Foil Shield)
Ripcord (Y/N)	Yes
Separator (Y/N)	No

Mechanical Characteristics

Temperature Range	Installation	0°C to + 75°C
	Operating	-20°C to + 75°C
Tensile Strength	Before	>= 13.8 Mpa
Elongation	Aging	>= 100%
		100°C x 168 hours
	After	>= 85% of unaged
Aging Condition	Aging	>= 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
5E04FPXX3	Blue, White	1000FT / RIB

Electrical Characteristics

DC Resistance	9.38 Ω / 100m Max. @ 20°C
Resistance Unbalanced	5% Max. @ 20°C
Capacitance Unbalance	330 pF / 100m Max. @ 20°C
Mutual Capacitance	5.6 nF / 100m Max. @ 20°C
Delay Skew	45 nS / 100m Max. @ 20°C
Nominal of Propagation	69%

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
1	2.0	20.0	68.3	66.3
4	4.1	23.0	59.3	57.3
8	5.8	24.5	54.8	52.8
10	6.5	25.0	53.3	51.3
16	8.2	25.0	50.3	48.3
20	9.3	25.0	48.8	46.8
25	10.4	24.3	47.3	45.3
31.25	11.7	23.6	45.9	43.6
62.5	17.0	21.5	41.4	39.4
100	22.0	20.1	38.3	36.3
155	28.1	18.8	35.5	33.5
200	32.4	18.0	33.8	31.8
250	36.0	17.4	32.6	30.6
300	41.0	16.8	31.2	29.2
350	44.9	16.3	30.1	28.1

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB) Min.	Delay (ns/100m) Max.
1	63.8	60.8	570.0
4	51.7	48.7	552.0
8	45.7	42.7	546.7
10	43.8	40.8	545.4
16	39.7	36.7	543.0
20	37.8	34.8	542.0
25	35.8	32.8	541.2
31.25	33.9	30.9	540.4
62.5	27.8	24.8	538.6
100	24.0	21.0	537.6
155	20.0	17.0	
200	17.7	14.7	
250	16.2	13.2	
300	14.2	11.2	
350	12.9	9.9	

* Values above 100MHz are information only.

Cable Marking

XXXXXX CATEGORY 5E 350MHZ 24AWG 4PR FTP CMP 75C FT6
C(ETL)US VERIFIED (ETL) ANSI/TIA-568-C.2 ****FT

