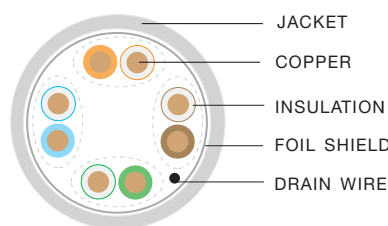


CATEGORY 5E FTP (Shield) CABLE

SPECIFICATIONS

Applications	:	Gigabit Ethernet(1000 Base T), Fast Ethernet, 100 Mbps TPDDI, 10 Base T, 155 Mbps ATM, ISDN, Broadband video and Analg voice, Digital voice (VoIP)
Insulation	:	PE (Polyethylene), 0.81 mm.diameter
Jacket	:	FRPVC -CMR UL/NEC Rating : US-9035 (Plenum and LHZH-Flame Retardant & Low Smoke Zero Halogen Polymer Alloy :optional)
Standards	:	TIA/EIA-568A/B Category 5E, ISO/IEC-11801, CENELEC EN50173 , UL E197771, NEMA WC63.1
Benefit	:	Mylar-Aluminum tape Shield with drain wire
Specification	:	4 PAIRS FTP Shield CAT5E CABLE
Impedance	:	100+/-15 Ohms
Mutual Capacitance	:	5.6 nF max/100m
DC Resistance	:	9.38 ohms max/100m @ 100 MHz
DC Resistance Unbalance	:	5% max of a pair
Normal Velocity of Propagation	:	Non - Plenum insulated 69 % Plenum FEP insulated 70 %
Delay Skew	:	25 ns/100 m.
Propagation Delay	:	536 ns/100 m.@350 MHz
Attenuation to Crosstalk Ratio	:	min 16.3 dB @100 MHz, typical 20.3 dB min 7.4 dB @155 MHz, typical 11.4 dB
Operating temperature	:	-20°C to 60°C
Storage temperature	:	-20°C to 80°C
Voltage	:	300 VAC. or VDC.



Part No.	UL/NEC Rating	Conductor Material	Jacket color	Diameter (mm.)	Packaging
US-9035	CMR	24 AWG Bare solid copper	white (FRPVC)	6.3	1,000ft./ Pull Box
US-9035LSZH	CMR-LSZH	24 AWG Bare solid copper	white (LSZH)	6.3	1,000ft./ Pull Box
US-9035P	CMP	24 AWG Bare solid copper	white (FRPVC)	6.3	1,000ft./ Pull Box

* 1000 feet = 305 Meter

Electrical Performance of Category 5E FTP (Shield) CABLE

Frequency (MHz)	Attenuation MAX.(dB/100m)	NEXT MIN.(dB)	ACR MIN.(dB)	PS.NEXT MIN.(dB)	PS.ACR MIN.(dB)	ELFEXT MIN.(dB/100m)	PS.ELFEXT MIN.(dB/100m)	R.L. MIN.(dB)
1	2.0	68.3	66.3	66.3	64.3	63.8	60.8	20.0
4	4.1	59.3	55.2	57.3	53.2	51.7	48.7	23.0
8	5.8	54.8	49.0	52.8	47.0	45.7	42.7	24.5
10	6.5	53.3	46.8	51.3	44.8	43.8	40.8	25.0
16	8.2	50.3	42.1	48.3	40.1	39.7	36.7	25.0
20	9.3	48.8	39.5	46.8	37.5	37.8	34.8	25.0
25	10.4	47.3	36.9	45.3	34.9	35.8	32.8	24.3
31.25	11.7	45.9	34.2	43.9	32.2	33.9	30.9	23.6
62.5	17.0	41.4	24.4	39.4	22.4	27.8	24.8	21.5
100	22.0	38.3	16.3	36.3	14.3	24.0	21.0	20.1
155	28.1	35.5	7.4	33.5	5.4	20.0	17.0	18.8
200	32.4	33.8	NA	31.8	NA	17.7	14.7	18.0
240	36.0	32.6	NA	30.6	NA	16.2	13.2	17.4
300	41.0	31.2	NA	29.2	NA	14.2	11.2	16.8
350	44.9	30.1	NA	28.1	NA	12.9	9.9	16.3