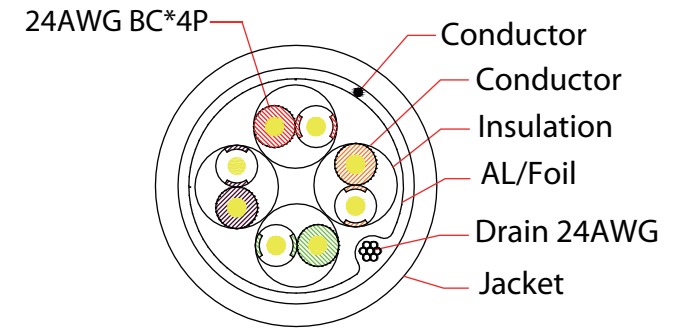


Construction & Material :

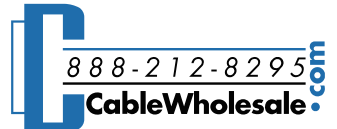
Rev.	Description	Date
A		06-2021

Item	Unit	Specification
Product		Cat.5e STP 4P CMR Rated
Conductor	Size	AWG 24
	Number	pairs 4
	Material	Solid Annealed Bare Copper
Insulation	Material	Polyethylene
	Avg.thickness	mm 0.19
	Diameter	mm 0.97±0.003
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Cabling	Construction	See Cross Section
Rip Cord	Construction	Yes
Drain Wire	Material	Stranded Tinned Copper
	Construction	pcs/mm 7/0.20
Shielding	Material	AL/Mylar
	Coverage	% 100%
Jacket	Material	Flame Retardant PVC
	Avg.thickness	mm 0.6
	Overall Diameter	mm 6.15±0.20
	Color	Red
Marking	CATEGORY 5E 350MHZ 24AWG 4 PR FT4 XXXXXXXX CMR C(ETL)US ETL LISTED & VERIFIED TO TIA-568-C.2 ****FT	
Nominal Weight	29 lbs.	

RoHS



Cross Section

Item Number:	10X6-5712TH	
Title:	Bulk Shielded Cat5e Red Ethernet Cable, STP (Shielded Twisted Pair), Solid, Pullbox, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	125	

No.	Specifications
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Rev.	Description	Date
A		06-2021

Electrical Property :

Item	Unit	Specification	Standard				
D-C Conductor Resistance	Ohms/100 M	AT 20°C	Max 9.38				
D-C Resistance Unbalance	%	-----	Max.5				
Capacitance Unbalance	pF/100 M	-----	Max.330				
Characteristic Impedance 1.0-350.0 MHz	Ohms/100 M	-----	100 ± 15				
Mutual Capacitance	nF / 100 M	-----	5.6				
Delay Skew	nS / 100 M	-----	40				
Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Delay
MHz	dB(100m)	dB	dB	dB	dB	dB	ns/100m
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Maximum
1.0	2.0	20.0	68.3	66.3	63.8	60.8	570.0
4.0	4.1	23.0	59.3	57.3	51.7	48.7	552.0
8.0	5.8	24.5	54.8	52.8	45.7	42.7	546.7
10.0	6.5	25.0	53.3	51.3	43.8	40.8	545.4
16.0	8.2	25.0	50.3	48.3	39.7	36.7	543.0
20.0	9.3	25.0	48.8	46.8	37.8	34.8	542.0
25.0	10.4	24.3	47.3	45.3	35.8	32.8	541.2
31.25	11.7	23.6	45.9	43.6	33.9	30.9	540.4
62.5	17.0	21.5	41.4	39.4	27.8	24.8	538.6
100	22.0	20.1	38.3	36.3	24.0	21.0	537.6
155	28.1	18.8	35.5	33.5	20.0	17.0	-
200	32.4	18.0	33.8	31.8	17.7	14.7	-
250	36.0	17.4	32.6	30.6	16.2	13.2	-
300	41.0	16.8	31.2	29.2	14.2	11.2	-
350	44.9	16.3	30.1	28.1	12.9	9.9	-

*Values above 100MHz are information only.



Mechanical Characteristics

Temperature Rating	Installation	0°C to +60°C
	Operating	-20°C to +75°C
Tensile Strength	Before	≥ 13.8 Mpa
Elongation	Aging	≥ 100%
Aging Condition		100°C x 168 hours
	After	≥ 85% of unaged
	Aging	≥ 50% of unaged

Applicable Standards

- ETL Listed CMR Type Ftp
- C(ETL) listed FT4 FTP
- ETL Verified to TIA-568-C.2
- ISO/IEC 11801
- 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)

Item Number:	10X6-5712TH	
Title:	Bulk Shielded Cat5e Red Ethernet Cable, STP (Shielded Twisted Pair), Solid, Pullbox, 1000 foot	
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ID:	125	

No.	Specifications
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