

Construction & Material :

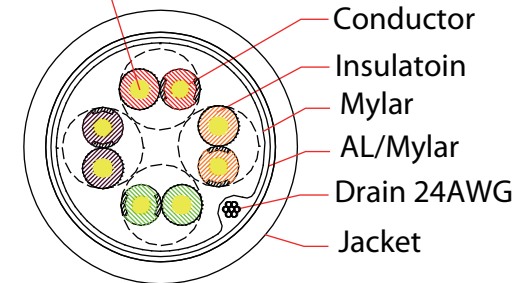
Item	Unit	Specification
Product		CAT.5e STP 4P CM Rated
Conductor	Size	AWG 24
	Number	pairs 4
	Material	Stranded Bare Copper
	Construction	pcs/mm 7/0.195±0.003
	Diameter	mm 0.6
Insulation	Material	HD-PE
	Min.thickness	mm 0.21
	Avg.thickness	mm 0.24
	Diameter	mm 1.08±0.05
Color		Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	See Cross-Section
Cabling	Construction	See Cross-Section
Taping	Material	Mylar H0.025 xW25mm
	Lay Length	% Overlap 25
Drain Wire	Material	Stranded Tinned Copper
	Construction	pcs/mm 7/20
Shielding	Material	AL/Mylar H0.02 xW25mm
	Lay Length	% Overlap 25
Jacket	Material	PVC(CM Rated)
	Min.thickness	0.50
	Avg.thickness	mm 0.60
	Overall Diameter	mm 6.2±0.20
	Color	Gray
Marking	(UL) Exxxxxx TYPE CM 24AWG 75°C CSA xxxxxx CM 75°C ETL VERIFIED TIA/EIA-568-C.2 STP CAT.5E SHIELDED RoHS COMPLIANCE BATCH NO.	

Remark: The print is far apart every 2 feet on the jacket and with foot markers

Rev.	Description	Date
A		08-2021



24AWG BC*4P



Cross-Section

Item Number:	10X6-521SH	
Title:	Bulk Shielded Cat5e Gray Ethernet Cable, Stranded, Pullbox, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	156	

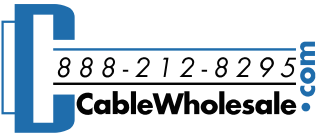
No.	Specifications
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Rev.	Description	Date
A		08-2021

Electrical Property :

Item	Unit	Specification	Standard					
D-C Conductor Resistance	Ohms/100M	AT 20°C	Max 9.38					
D-C Resistance Unbalance	%	-----	Max.5					
Capacitance Unbalance	pF/100 M	-----	Max.330					
Characteristic Impedance 1.0-100.0 MHz	Ohms/100M	-----	100 ± 15					
Temperature Rating	°C	-----	75°C					
Dielectric Strength	/	/	AC 1.5kv / 2sec					
Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ACRF	PS-ACRF	Propagation Delay	Delay Skew
MHz	dB(100m)	dB	dB	dB	dB	dB	ns	ns
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Maximum	Maximum
1.0	2.0	20.0	65.3	62.3	63.8	60.8	570.0	45.0
4.0	4.0	23.0	56.3	53.3	51.7	48.7	552.0	
8.0	5.8	24.5	51.8	48.8	45.7	42.7	546.7	
10.0	6.5	25.0	50.3	47.3	43.8	40.8	545.4	
16.0	8.2	25.0	47.3	44.3	39.7	36.7	543.0	
20.0	9.3	25.0	45.8	42.8	37.7	34.7	542.0	
25.0	10.4	24.3	44.3	41.3	35.8	32.8	541.2	
31.25	11.7	23.6	42.9	39.9	33.9	30.9	540.4	
62.5	17.0	21.5	38.4	35.4	27.8	24.8	538.6	
100	22.0	20.1	35.3	32.3	23.8	20.8	537.6	



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