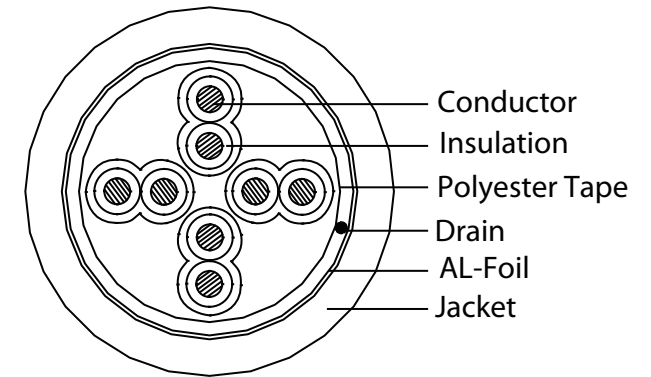


Construction & Material :

Item	Unit	Specification
Product		CAT.5e STP 4P CMX Rated
Conductor	Size	AWG 24
	Number	pairs 4
	Material	Solid Bare Copper
	Diameter	mm 0.52±0.005
Insulation	Material	HDPE
	Identification	With Strip Colour Marking On White Cores
	Min.thickness	mm 0.230
	Average Thickness	mm 0.255
	Diameter	mm 1.035
Color		Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Taping	Material	Polyester Tape
	Lay Length	% Overlap 25
Drain Wire	Material	Stranded Tinned Copper
	Construction	pcs/mm 1/0.40mm
Shielding	Material	AL-Foil
	Lay Length	% Overlap 25
Jacket	Material	PE(CMX Rated)
	Min.thickness	mm 0.47
	Avg.thickness	mm 0.52
	Overall Diameter	mm 6.30±0.30
	Color	Black
Cable Marking	CAT5E 4PR 24AWG FTP TYPE CMX UV DIRECT BURIAL OUTDOOR PE EIA/TIA-568-C ROHS xxxFT	

Voltage rating ≤ 48V

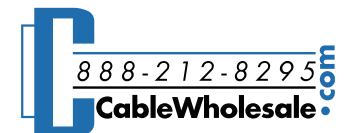
Rev.	Description	Date
A		08-2021



Cross Section



Item Number:	10X6-722NH
Title:	Direct Burial/Outdoor rated Cat 5e Black Ethernet Cable, Solid, CMX, STP ,Foil+Waterproof Tape, 24 AWG, Spool, 1000 foot
Drawn by:	JL
Approved by:	MAC
ID:	245



No.	Specifications
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Rev.	Description	Date
A		08-2021

Electrical Property :

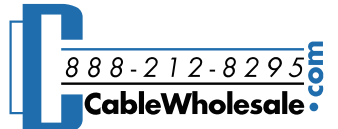
Item	Unit	Standard
Conductor DC Resistance @20°C	Ohms/100 Meters	≤ 9.5
DC Resistance Unbalance @20°C	%	≤ 2.5
Max. Delay Skew	nS/100 Meters	≤ 45.0
Mutual Capacitance	nF/100 Meters	≤5.6
Capacitance Unbalance	pF/100 Meters	≤ 330
Characteristic Impedance ((1-100MHz)	Ω	100 ± 15

Frequency	Attenuation	Return Loss	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT	Delay	ACR
MHz	dB(100m)	dB	dB	dB	dB(100m)	dB(100m)	ns(100m)	dB
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Maximum	
1	2.04	20.00	65.30	62.3	64.00	61.00	570.00	63.26
4	4.05	23.01	56.27	53.3	51.96	48.96	552.00	52.22
10	6.47	25.00	50.30	47.3	44.00	41.00	545.38	43.83
16	8.25	25.00	47.24	44.3	39.92	36.92	543.00	38.99
20	9.27	25.00	45.78	42.8	37.98	34.98	542.05	36.52
25	10.42	24.32	44.33	41.3	36.04	33.04	541.20	33.91
31.25	11.72	23.64	42.88	39.9	34.10	31.10	540.44	31.16
62.5	16.69	21.54	38.36	35.4	28.08	25.08	538.55	21.37
100	21.98	20.11	35.30	32.3	24.00	21.00	537.60	13.33

Mechanical Characteristics

Temperature Rating	Installation	-76°C to + 96°C
	Operating	-76°C to + 96°C
Min. Ben Radius	Eight times the outer diameter of cable	
Min. Ben Radius	Before	> = 14 Mpa
Elongation	Aging	> = 300%
Aging Condition		100°C x 120 hours
Rated Temperature / Voltage		5000M Ω/km

RoHS

Item Number:	10X6-722NH	
Title:	Direct Burial/Outdoor rated Cat 5e Black Ethernet Cable, Solid, CMX, STP ,Foil+Waterproof Tape, 24 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	245	

No.	Specifications
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