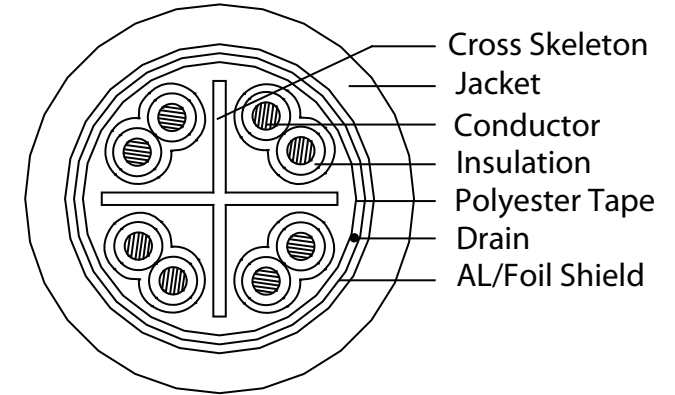


Construction & Material :

Item	Unit	Specification
Product		CAT.6 STP 4P CMX Rated
Conductor	Size	AWG 23
	Number	Pairs 4
	Material	Solid Bare Copper
	Diameter	mm 0.58±0.005
Insulation	Material	HDPE
	Identification	With Strip Colour Marking On White Cores
	Min.thickness	mm 0.24
	Avg.thickness	mm 0.27
	Diameter	mm 1.10
	Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Cross skeleton	Material	LDPE
Taping	Material	Polyester Tape
	Lay Length	% Overlap 25
Drain Wire	Material	Stranded Tinned Copper
	Construction	pcs/mm 1/0.40
Shielding	Material	AL-Foil
	Lay Length	% Overlap 25
Jacket	Material	PE (CMX Rated)
	Min.thickness	0.48
	Avg.thickness	mm 0.53
	Overall Diameter	mm 7.30±0.30
	Color	Black
	Cable Marking	CAT6 4PR 23AWG FTP TYPE CMX UV DIRECT BURIAL OUTDOOR PE EIA/TIA-568-C ROHS xxxFT

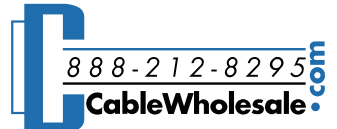
Voltage rating ≤ 48V

Rev.	Description	Date
A		08-2021



Cross Section



Item Number:	10X8-722NH	
Title:	Direct Burial/Outdoor Rated Shielded Cat.6 Black Ethernet Cable, Solid, 23 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	245	

No.	Specifications
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Rev.	Description	Date
A		08-2021

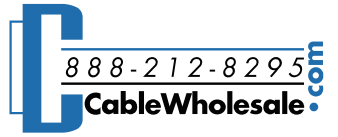
Electrical Property :

Item		Unit		Standard				
Conductor DC Resistance @20°C		Ohms/100 Meters		≤ 9.5				
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 ((1-250MHz)		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	2.03	20.00	74.30	72.30	67.80	64.80	570.00	72.27
4	3.87	23.01	65.27	63.27	55.76	52.76	552.00	61.40
10	5.95	25.00	59.30	57.30	47.80	44.80	545.38	53.35
16	7.55	25.00	56.24	54.24	43.72	40.72	543.00	48.69
20	8.47	25.00	54.78	52.78	41.78	38.78	542.05	46.31
25	9.51	24.32	53.33	51.33	39.84	36.84	541.20	43.82
31.25	10.67	23.64	51.88	49.88	37.90	34.90	540.44	41.21
62.5	15.38	21.54	47.36	45.36	31.88	28.88	538.55	31.98
100	19.80	20.11	44.30	42.30	27.80	24.80	537.60	24.50
200	28.98	18.00	39.38	37.78	21.78	18.78	536.55	10.80
250	32.85	17.32	38.33	36.33	19.84	16.84	53.628	5.48

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



Item Number:	10X8-722NH	
Title:	Direct Burial/Outdoor Rated Shielded Cat.6 Black Ethernet Cable, Solid, 23 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	245	

No.	Specifications
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