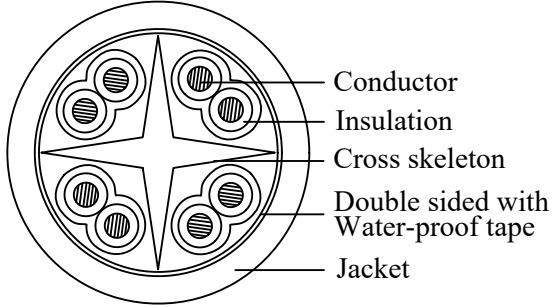


REV.	DESCRIPTION	DATE
A		09-2014
B		05-2016

Construction & Material :

Item	Unit	Specification
Product		CAT.6 4P UTP CMXT Rated
Conductor	Size	AWG 23
	Number	pairs 4
	Material	Solid Bare Copper
	Construction	pcs/mm 1/0.57
	Diameter	mm 0.57
Insulation	Material	HDPE
	Identification	With Strip Colour Marking On White Cores
	Min.thickness	mm 0.21
	Avg.thickness	mm 0.24
	Diameter	mm 1.045
Color	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown	
Cross skeleton	Material	LDPE
Taping	Material	Double sided with Water-proof tape
Jacket	Material	PE(CMX Rated)
	Min.thickness	mm 0.47
	Avg.thickness	mm 0.52
	Overall Diameter	mm 7.30±0.30
	Color	Black
Cable Marking	CAT6 4PR 23AWG UTP TYPE CMX UV DIRECT BURIAL OUTDOOR PE EIA/TIA-568-C ROHS xxxxFt	

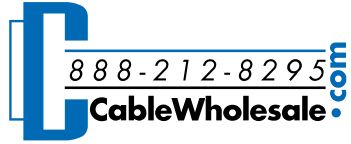
RoHS



Cross Section

DRAWN	JL
CHECKED	
APPROVED	

PART NUMBER:	TITLE:	ID(NO.)
10X8-622NH	Direct Burial/Outdoor rated Cat 6 Black Ethernet Cable, Solid, CMX, UTP (Unshielded Twisted Pair), Waterproof Tape, Spool, 1000 foot	245



REV.	DESCRIPTION	DATE
A		09-2014
B		05-2016

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)			0/100 Meters				100 ± 15 ohm	
Temperature Rating			Installation & Operating				-40°C to +70°C	
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

DRAWER	JL
CHECKED	
APPROVED	

PART NUMBER:	TITLE:	ID(NO.)
10X8-622NH	Direct Burial/Outdoor rated Cat 6 Black Ethernet Cable, Solid, CMX, UTP (Unshielded Twisted Pair), Waterproof Tape, Spool, 1000 foot	245

