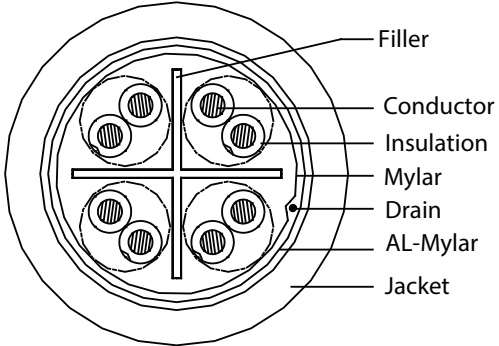


Rev.	Description	Date
A		09-2018

Construction & Material :

Item	Unit	Specification
Product		CAT-6 FTP 4P CMP Rated
Conductor	Size	AWG 23
	Number	pairs 4
	Material	Solid Bare Copper
Insulation	Blue & White/Blue Stripe	1.04 ± 0.02 mm
	Orange & White/Orange Stripe	1.00 ± 0.02 mm
	Green & White/Green Stripe	1.04 ± 0.02 mm
	Brown & White/Brown Stripe	1.00 ± 0.02 mm
	Material	FEP
Color		Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction	Left hand direction
Cabling	Construction	See Cross Section
Filler	Material	FEP
Taping	Material	Mylar
	Lay Length	% Overlap 25
Drain Wire	Material	24AWG Tinned Copper
Shielding	Material	AL-Mylar
	Lay Length	% Overlap 25
Jacket	Material	LSFRPVC
	Min.thickness	0.40
	Avg.thickness	mm 0.43
	Overall Diameter	mm 6.70±0.20
Color		By Order



Cross Section

Color Options
21 Gray
22 Black
31 Orange
51 Green
61 Blue
71 Red
81 Yellow
91 White



Item Number:	11X8-5xxNH	
Title:	Plenum Shielded Cat6 Bulk Cable, Solid, CMP, 23 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	97	

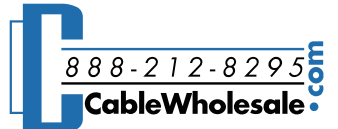
No.	Specifications
-----	----------------

Electrical Property :

Item	Unit	Specification	Standard					
D-C Resistance	Ohm/100M	AT 20°C	DC Max 9.38					
D-C Resistance Unbalance	%	-----	Max 5.0					
Capacitance Unbalance	pF/100M	-----	Max 330					
Characteristic Impedance (1-400MHz)	Ohm/100M	-----	100±15					
Temperature & Voltage Rating	°C / V	-----	75°C/300V					
Dielectric Strength	AC / 2 Sec.	1500V	NO Breakdown					
Frequency	Attenuation	NEXT	ACR	PS-NEXT	PS-ACR	ACRF	PS-ACRF	Return Loss
MHz	dB(100m)	dB	dB	dB	dB	dB(100m)	dB(100m)	dB
	Maximum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum	Minimum
1	2.03	77.30	75.28	75.30	73.28	70.80	67.84	20.00
4	3.78	68.27	64.49	66.27	62.49	58.76	55.76	23.01
8	5.32	63.75	58.43	61.75	56.43	52.74	49.74	24.52
10	5.95	62.30	56.35	60.30	54.35	50.80	47.80	25.00
16	7.55	59.24	51.68	57.24	49.68	46.72	43.72	25.00
20	8.47	57.78	49.31	55.78	47.31	44.78	41.78	25.00
25	9.51	56.33	46.83	54.33	44.83	42.84	39.84	24.32
31.25	10.67	54.88	44.20	52.88	42.20	40.90	37.90	23.64
62.5	15.38	50.36	34.98	48.36	32.98	34.88	31.88	21.54
100	19.80	47.30	27.50	45.30	25.50	30.80	27.80	20.11
150	24.71	44.66	19.95	42.66	17.95	27.28	24.28	18.87
200	28.98	42.78	13.80	40.78	11.80	24.78	21.78	18.00
250	32.85	41.33	8.48	39.33	6.48	22.84	19.84	17.32
300	36.43	40.14	3.72	38.14	1.72	21.26	18.26	16.77
350	39.79	39.14	NA	37.14	NA	19.92	16.92	16.30
400	42.97	38.27	NA	36.27	NA	18.76	15.76	15.89

Rev.	Description	Date
A		09-2018



Item Number:	11X8-5xxNH	
Title:	Plenum Shielded Cat6 Bulk Cable, Solid, CMP, 23 AWG, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	97	

No.	Specifications
-----	----------------