

Physical Characteristics (Overall)										
Conductor										
AWG	Stranding	Material				Nominal Diameter			No. of Pairs	
23	Solid	BC - Bare Copper				0.022 in			4	
Conductor Count:					8					
Total Number of Pairs:					4					
Conductor Size:					23 AWG					
Insulation										
Material		Nominal Diameter				Nominal Wall Thickness				
PO - Polyolefin		0.038 in				0.009 in				
Bonded-Pair:					Yes					
Color Chart										
Number		Color								
1		White/Blue Stripe & Blue								
2		White/Orange Stripe & Orange								
3		White/Green Stripe & Green								
4		White/Brown Stripe & Brown								
Inner Jacket Material										
Material					Nominal Diameter					
PVC - Polyvinyl Chloride					.365 x .165 in					
Outer Shield Material										
Material										
Unshielded										
Outer Jacket Material										
Material					Nominal Diameter		Nominal Wall Thickness			
Industrial Grade PVC - Polyvinyl Chloride					0.725 in		0.05 in			
Construction and Dimensions										
Armor										
Type of Armor			Material		Diameter over Armoring					
Interlocked Armor			Aluminum		0.625 mm					
Electrical Characteristics										
Conductor DCR										
Max. Conductor DCR					Max. DCR Unbalance					
9 Ohm/1000ft					3 %					
Capacitance										
Max. Capacitance Unbalance					Nom.Mutual Capacitance					
49.2 pF/ft					15 pF/ft					
Delay										
Max. Delay		Max. Delay Skew			Nominal Velocity of Propagation (VP) [%]					
510 ns/100m		25 ns/100m			70 %					
High Freq										
Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [dB]	Min. PSACR [dB]	Min. ACRF (ELFEXT) [dB]	Min. PSACRF (PSELFEXT) [dB]	Min. RL (Return Loss) [dB]	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	1.9 dB/100m	74.3 dB	72.3 dB	72.4 dB	70.4 dB	67.8 dB	64.8 dB	20 dB	100 ± 12 Ohm	100 ± 15 Ohm
4 MHz	3.7 dB/100m	65.3 dB	63.3 dB	61.6 dB	59.6 dB	55.7 dB	52.7 dB	23 dB	100 ± 12 Ohm	100 ± 15
8 MHz	5.3 dB/100m	60.3 dB	58.8 dB	55.5 dB	53.5 dB	49.7 dB	46.7 dB	24.5 dB	100 ± 12 Ohm	100 ± 15
10 MHz	5.9 dB/100m	59.3 dB	57.3 dB	53.4 dB	51.4 dB	47.8 dB	44.8 dB	25 dB	100 ± 12 Ohm	100 ± 15
16 MHz	7.5 dB/100m	56.3 dB	54.3 dB	48.7 dB	46.7 dB	43.7 dB	40.7 dB	25 dB	100 ± 12 Ohm	100 ± 8
20 MHz	8.4 dB/100m	54.8 dB	52.8 dB	46.4 dB	44.4 dB	41.7 dB	38.7 dB	25 dB	100 ± 12 Ohm	100 ± 8
25 MHz	9.5 dB/100m	53.4 dB	51.4 dB	43.9 dB	41.9 dB	39.8 dB	36.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 8
31.25 MHz	10.6 dB/100m	51.9 dB	49.9 dB	41.2 dB	39.2 dB	37.9 dB	34.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 8
62.5 MHz	15.4 dB/100m	47.4 dB	45.4 dB	32 dB	30 dB	31.8 dB	28.8 dB	21.5 dB	100 ± 15 Ohm	100 ± 8
100 MHz	19.8 dB/100m	44.3 dB	42.3 dB	24.5 dB	22.5 dB	27.8 dB	24.8 dB	21 dB	100 ± 15 Ohm	
155 MHz	25.1 dB/100m	41.5 dB	39.5 dB	16.3 dB	14.3 dB	23.9 dB	20.9 dB	21 dB	100 ± 15 Ohm	
200 MHz	29 dB/100m	39.9 dB	37.9 dB	10.8 dB	10 dB	21.7 dB	18.7 dB	21 dB	100 ± 15 Ohm	
250 MHz	32.8 dB/100m	38.3 dB	36.3 dB	5.5 dB	3.5 dB	19.8 dB	16.8 dB	18 dB	100 ± 20 Ohm	
300 MHz	35.2 dB/100m	37.2 dB	34.2 dB	0.7 dB	0 dB	18.2 dB	15.2 dB	18 dB	100 ± 20 Ohm	
310 MHz	37.1 dB/100m	36.9 dB	34.9 dB	0 dB		17.9 dB	14.9 dB	18 dB	100 ± 20 Ohm	
350 MHz	39.8 dB/100m	36.2 dB	34.2 dB			16.9 dB	13.9 dB	17 dB	100 ± 22 Ohm	
400 MHz	43 dB/100m	35.3 dB	33.3 dB			15.7 dB	12.7 dB	14 dB	100 ± 32 Ohm	
500 MHz	49 dB/100m	33.8 dB	31.8 dB			13.8 dB	10.8 dB	14 dB	100 ± 32 Ohm	
Voltage										
UL Voltage Rating										
300 V RMS										
Temperature Range										
Installation Temp Range:					-25°C To +75°C					
UL Temp Rating:					60°C					
Storage Temp Range:					-40°C To +85°C					
Operating Temp Range:					-40°C To +75°C					
Mechanical Characteristics										
Bulk Cable Weight:					154 lbs/1000ft					
Max Recommended Pulling Tension:					200 lbs					
Min Bend Radius/Minor Axis:					8.25 in					
Standards										
NEC/(UL) Specification:					CM, UL 444					
CEC/C(UL) Specification:					CMG, HL					
CPR Euroclass:					Eca					
Data Category:					Category 6					
Telecommunications Standards:					Category 6 - TIA 568.C.2, ISO/IEC 11801 Class E					
Applicable Environmental and Other Programs										
EU Directive 2000/53/EC (ELV):					Yes					
EU Directive 2003/11/EC (BFR):					Yes					
EU Directive 2011/65/EU (ROHS II):					Yes					
EU Directive 2012/19/EU (WEEE):					Yes					
EU Directive 2015/863/EU:					Yes					
EU Directive Compliance:					EU Directive 2003/11/EC (BFR)					
EU RoHS Compliance Date (yyyy-mm-dd):					2004-01-04					
CA Prop 65 (CJ for Wire & Cable):					Yes					
MII Order #39 (China RoHS):					Yes					
Suitability										
Suitability - Oil Resistance:					Yes					
Suitability - Sunlight Resistance:					Yes					
Flammability, LSOH, Toxicity Testing										
UL Flammability:					UL1685 UL Loading					
CSA Flammability:					FT4					
UL voltage rating:					300 V RMS					
Plenum/Non-Plenum										
Plenum (Y/N):					No					
Part Number										
Variants										
Item #					Color			Footnote		
121872A 0101000					Black			C Z		