

Physical Characteristics (Overall)											
Conductor											
AWG	Stranding			Material				No. of Pairs			
24	Solid			BC - Bare Copper				4			
Conductor Count:					8						
Total Number of Pairs:					4						
Conductor Size:					24 AWG						
Insulation											
Material				Nominal Wall Thickness							
PO - Polyolefin				0.01 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									
Outer Shield Material											
Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D					
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	7x32 mm					
Outer Jacket Material											
Material					Nominal Diameter			Ripcord			
Industrial Grade PVC - Polyvinyl Chloride					0.265 in			No			
Electrical Characteristics											
Conductor DCR											
Max. Conductor DCR					Max. DCR Unbalance						
9.38 Ohm/1000ft					3 %						
Capacitance											
Max. Capacitance Unbalance					Nom.Mutual Capacitance						
150 pF/ft					15 pF/ft						
Delay											
Max. Delay		Max. Delay Skew			Nominal Velocity of Propagation (VP) [%]						
538 ns/100m		45 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]	Min. SRL (Structural Return Loss)	Max./Min. Input Impedance (unFitted)	Max./Min. Fitted Impedance
1 MHz	2 dB/100m	65.3 dB	62.3 dB	63 dB	60 dB	63.8 dB	60.8 dB	20 dB	20 dB	100 ± 15 Ohm	100 ± 15 Ohm
4 MHz	4.1 dB/100m	56.3 dB	53.3 dB	51 dB	49 dB	51.7 dB	48.7 dB	23.6 dB	23.6 dB	100 ± 15 Ohm	100 ± 15 Ohm
8 MHz	5.8 dB/100m	51.8 dB	48.8 dB	46 dB	43 dB	45.7 dB	42.7 dB	25.4 dB	25.4 dB	100 ± 15 Ohm	100 ± 15 Ohm
10 MHz	6.5 dB/100m	50.3 dB	47.3 dB	43 dB	41 dB	43.8 dB	40.8 dB	26 dB	26 dB	100 ± 15 Ohm	100 ± 15 Ohm
16 MHz	8.2 dB/100m	47.3 dB	44.3 dB	39 dB	36 dB	39.7 dB	36.7 dB	26 dB	26 dB	100 ± 15 Ohm	100 ± 15 Ohm
20 MHz	9.3 dB/100m	45.8 dB	42.8 dB	36.5 dB	33.5 dB	37.7 dB	34.7 dB	26 dB	26 dB	100 ± 15 Ohm	100 ± 15 Ohm
25 MHz	10.4 dB/100m	44.3 dB	41.3 dB	33.9 dB	30.9 dB	35.8 dB	32.8 dB	25.5 dB	25.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
31.25 MHz	11.7 dB/100m	42.9 dB	39.9 dB	31 dB	28 dB	33.9 dB	30.9 dB	25 dB	25 dB	100 ± 15 Ohm	100 ± 15 Ohm
62.5 MHz	17 dB/100m	38.4 dB	35.4 dB	22 dB	19 dB	27.8 dB	24.8 dB	23.5 dB	23.5 dB	100 ± 15 Ohm	100 ± 15 Ohm
100 MHz	22 dB/100m	35.3 dB	32.3 dB	14 dB	11 dB	23.8 dB	20.8 dB	22.5 dB	22.5 dB	100 ± 15 Ohm	
200 MHz	32.4 dB/100m		27.8 dB		1 dB		14.7 dB			100 ± 25 Ohm	
1 MHz											
4 MHz											
8 MHz											
10 MHz											
16 MHz											
20 MHz											
25 MHz											
31.25 MHz											
62.5 MHz											
100 MHz											
200 MHz											
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Voltage											
UL Description							UL Voltage Rating				
							300 V RMS				
Appliance Wiring Material							600 V RMS				
Temperature Range											
Installation Temp Range:					-25°C To +75°C						
UL Temp Rating:					60°C						
Storage Temp Range:					-40°C To +75°C						
Operating Temp Range:					-40°C To +75°C						
Mechanical Characteristics											
Bulk Cable Weight:					32 lbs/1000ft						
Max Recommended Pulling Tension:					35 lbs						
Min Bend Radius/Minor Axis:					0.5 in						
Standards											
NEC/(UL) Specification:					CMR, CMX-Outdoor, UL 444						
CEC/C(UL) Specification:					CMR						
UL AWM Style:					UL Style 21047						
ISO/IEC Compliance:					ISO/IEC 11801 ed 2.1 (2008) Class D						
CPR Euroclass:					Eca						
Data Category:					Category 5e						
Telecommunications Standards:					Category 5e - TIA 568.C.2						
Other Specification:					NEMA WC-63.1 Category 5e, UL verified to Category 5e, Ethernet/IP™ Compliant						
Applicable Environmental and Other Programs											
EU Directive Compliance:					EU Directive 2003/11/EC (BFR)						
CA Prop 65 (CJ for Wire & Cable):					Yes						
MII Order #39 (China RoHS):					Yes						
Suitability											
Suitability - Oil Resistance:					Yes						
Suitability - Outdoor:					Yes						
Suitability - Sunlight Resistance:					Yes						
Flammability, LSOH, Toxicity Testing											
UL Flammability:					UL1666 Riser						
CSA Flammability:					FT4						
UL voltage rating:					300 V RMS						
Plenum/Non-Plenum											
Plenum (Y/N):					No						
Part Number											
Variants											
Item #					Color		Footnote				
7958A 0101000					Black		C				
7958A 0102000					Black						
7958A 0061000					Blue		C				
7958A 0061000					Blue		C				
7958A 0081000					Gray		C				
7958A 0021000					Red		C				
7958A 1NH1000					Teal		C				