

Physical Characteristics (Overall)										
Conductor										
AWG		Material					No. of Pairs			
22		BC - Bare Copper					4			
Conductor Count:						8				
Total Number of Pairs:						4				
Insulation										
Material										
PO - Polyolefin										
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		
Tape	Aluminum Foil-Polyester Tape		Beldfoil®		100.0 %	TC - Tinned Copper		22		
Outer Jacket Material										
Material						Nominal Diameter		Ripcord		
Industrial Grade PVC - Polyvinyl Chloride						0.335 in		No		
Electrical Characteristics										
Conductor DCR										
Max. Conductor DCR					Max. DCR Unbalance					
9 Ohm/1000ft					3.0 %					
Capacitance										
Max. Capacitance Unbalance					Nom.Mutual Capacitance					
66 pF/ft					15 pF/ft					
Delay										
Max. Delay		Max. Delay Skew			Nominal Velocity of Propagation (VP) [%]					
510 ns/100m		25 ns/100m			70.0 %					
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	2 dB/100m	65.3 dB	62.3 dB	63 dB	60 dB	63.8 dB	60.8 dB	20 dB	100 ± 15 Ohm	100 ± 15
4 MHz	4.1 dB/100m	56.3 dB	53.3 dB	51 dB	49 dB	51.7 dB	48.7 dB	23 dB	100 ± 15 Ohm	100 ± 15
8 MHz	5.8 dB/100m	51.8 dB	48.8 dB	46 dB	43 dB	45.7 dB	42.7 dB	24.5 dB	100 ± 15 Ohm	100 ± 15
10 MHz	6.5 dB/100m	50.3 dB	47.3 dB	43 dB	41 dB	43.8 dB	40.8 dB	25 dB	100 ± 15 Ohm	100 ± 15
16 MHz	8.2 dB/100m	47.3 dB	44.3 dB	39 dB	36 dB	39.7 dB	36.7 dB	25 dB	100 ± 15 Ohm	100 ± 15
20 MHz	9.3 dB/100m	45.8 dB	42.8 dB	36.5 dB	33.5 dB	37.7 dB	34.7 dB	25 dB	100 ± 15 Ohm	100 ± 15
25 MHz	10.4 dB/100m	44.3 dB	41.3 dB	33.9 dB	30.9 dB	35.8 dB	32.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 15
31.25 MHz	11.7 dB/100m	42.9 dB	39.9 dB	31 dB	28 dB	33.9 dB	30.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 15
62.5 MHz	17 dB/100m	38.4 dB	35.4 dB	22 dB	19 dB	27.8 dB	24.8 dB	21.5 dB	100 ± 15 Ohm	100 ± 15
100 MHz	22 dB/100m	35.3 dB	32.3 dB	14 dB	11 dB	23.8 dB	20.8 dB	20.1 dB	100 ± 15 Ohm	
155 MHz	28.1 dB/100m	32.5 dB	29.5 dB	4.4 dB	1.4 dB	19.9 dB	16.9 dB	18.8 dB	100 ± 25 Ohm	
200 MHz	32 dB/100m	30.8 dB	27.8 dB	4 dB	1 dB	17.7 dB	14.7 dB	18.0 dB	100 ± 25 Ohm	
250 MHz	36.9 dB/100m	29.3 dB	26.3 dB			15.8 dB	12.8 dB	18 dB	100 ± 25 Ohm	
300 MHz	41.0 dB/100m	28.2 dB	25.1 dB			14.2 dB	11.2 dB	17.3 dB	100 ± 25 Ohm	
310 MHz	41.8 dB/100m	27.9 dB	24.9 dB			13.9 dB	10.9 dB	16.8 dB	100 ± 25 Ohm	
350 MHz	44.9 dB/100m	27.2 dB	24.1 dB			12.9 dB	9.9 dB	16.3 dB	100 ± 25 Ohm	
Voltage										
UL Voltage Rating										
300 V RMS										
Temperature Range										
Installation Temp Range:						-25°C To +75°C				
UL Temp Rating:						75°C				
Storage Temp Range:						-25°C To +75°C				
Operating Temp Range:						-40°C To +75°C				
Mechanical Characteristics										
Max Recommended Pulling Tension:						40 lbs				
Min Bend Radius/Minor Axis:						3.38 in				
Standards										
NEC/(UL) Specification:						CMR, PLTC				
CEC/C(UL) Specification:						CMR				
ISO/IEC Compliance:						ISO/IEC 11801 Cat 5e				
Telecommunications Standards:						TIA 568-C.2 Category 5e				
Suitability										
Suitability - Indoor:						Yes				
Suitability - Oil Resistance:						Yes				
Suitability - Outdoor:						Yes				
Suitability - Sunlight Resistance:						Yes				
Flammability, LSOH, Toxicity Testing										
UL Flammability:						UL1666 Riser				
CSA Flammability:						FT4				
Part Number										
Variants										
Item #									Color	
7903A 0101000									Black	
7903A 0105000									Black	