

Physical Characteristics (Overall)									
Conductor									
AWG		Stranding			Material				
22		7x32			TC - Tinned Copper				
Conductor Count:					4				
Total Number of Pairs:					4				
Conductor Size:					22 AWG				
Insulation									
Material									
PO - Polyolefin									
Bonded-Pair:					No				
Inner Jacket Material									
Material							Nominal Diameter		
FRPE - Flame Retardant Polyethylene							0.164 mm		
Outer Shield Material									
Type	Material			Material Trade Name			Coverage [%]		
Tape	Aluminum/Polyester			Beldfoil®			100 %		
Braid	TC - Tinned Copper						85 %		
Outer Jacket Material									
Material							Nominal Diameter		
Industrial Grade PVC - Polyvinyl Chloride							0.272 in		
Electrical Characteristics									
Conductor DCR									
Max. Conductor DCR					Max. DCR Unbalance				
5.7 Ohm/1000ft					3 %				
Capacitance									
Max. Capacitance Unbalance					Nom.Mutual Capacitance				
150 pF/ft					15 pF/ft				
Delay									
Max. Delay		Nominal Velocity of Propagation (VP) [%]							
552 ns/100m		70 %							
High Freq									
Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [dB]	Min. ACR [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	2.1 dB/100m	65.3 dB	62.3 dB	63.2 dB	63.8 dB	60.8 dB	23 dB	100 ± 20.2 Ohm	105 ±10 Ohm
4 MHz	4.0 dB/100m	56.3 dB	53.3 dB	56.3 dB	51.7 dB	48.7 dB	23 dB	100 ± 14.2 Ohm	100 ±10 Ohm
8 MHz	5.6 dB/100m	51.8 dB	48.8 dB	46.2 dB	45.7 dB	42.7 dB	23 dB	100 ± 11.3 Ohm	100 ±10 Ohm
10 MHz	6.3 dB/100m	50.3 dB	47.3 dB	43.9 dB	43.8 dB	40.8 dB	25 dB	100 ± 11.3 Ohm	100 ±10 Ohm
16 MHz	8.0 dB/100m	47.3 dB	44.3 dB	35.2 dB	39.7 dB	36.7 dB	25 dB	100 ± 11.3 Ohm	100 ±10 Ohm
20 MHz	9.0 dB/100m	45.8 dB	42.8 dB	36.5 dB	37.7 dB	34.7 dB	25 dB	100 ± 11.3 Ohm	100 ±10 Ohm
25 MHz	10.1 dB/100m	44.3 dB	41.3 dB	34.2 dB	35.8 dB	32.8 dB	25.5 dB	100 ± 11.3 Ohm	100 ±10 Ohm
31.25 MHz	11.4 dB/100m	42.9 dB	39.9 dB	31.3 dB	33.9 dB	30.9 dB	23.6 dB	100 ± 13.2 Ohm	100 ±10 Ohm
62.5 MHz	16.5 dB/100m	38.4 dB	35.4 dB	21.6 dB	27.8 dB	24.8 dB	21.5 dB	100 ± 16.9 Ohm	100 ±10 Ohm
100 MHz	21.3 dB/100m	35.3 dB	32.3 dB	17.1 dB	23.8 dB	20.8 dB	20.1 dB	100 ± 20.0 Ohm	100 ±10 Ohm
Voltage									
UL Voltage Rating									
300 V RMS									
Temperature Range									
Installation Temp Range:					-20°C To +60°C				
UL Temp Rating:					60°C				
Storage Temp Range:					-40°C To +80°C				
Operating Temp Range:					-40°C To +80°C				
Mechanical Characteristics									
Bulk Cable Weight:					42.6 lbs/1000ft				
Max Recommended Pulling Tension:					55 lbs				
Min Bend Radius/Minor Axis:					2.560 in				
Standards									
NEC/(UL) Specification:					CMG, CMX-Outdoor, ITC, PLTC				
CEC/C(UL) Specification:					CMG				
ISO/IEC Compliance:					ISO/IEC 11801 ed 2.1 (2008) Class D				
CPR Euroclass:					Eca				
Data Category:					Category 5e				
Telecommunications Standards:					NEMA WC-63.1 Category 5e				
Applicable Environmental and Other Programs									
EU Directive 2000/53/EC (ELV):					Yes				
EU Directive 2002/96/EC (WEEE):					Yes				
EU Directive 2003/11/EC (BFR):					Yes				
EU Directive 2011/65/EU (ROHS II):					Yes				
EU Directive 2015/863/EU:					Yes				
EU RoHS Compliance Date (yyyy-mm-dd):					2004-01-01				
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:					UL1685 Vertical Tray Flame Test				
CSA Flammability:					FT4				
IEEE Flammability:					1202				
UL voltage rating:					300 V RMS				
Plenum/Non-Plenum									
Plenum (Y/N):					No				
Part Number									
Variants									
Item #					Color				
7961A.00305					Green				
7961A.00610					Green				
7961A 1SW1000					Green, RAL 6018				