

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 Diameter				Nominal Wall Thickness					
PO - Polyolefin			0.046 in				0.012 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	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D					
Tape	1	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	26	Solid					
Braid	2	TC - Tinned Copper		70 %								
Outer Jacket Material												
Material					Nominal Diameter			Nominal Wall Thickness				
Industrial Grade PVC - Polyvinyl Chloride					0.33 in			0.03 in				
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	95-110 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	95-110	
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	95-107	
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	95-107	
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	95-107	
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	95-107	
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	95-107	
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	95-107	
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	95-107	
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		
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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 +80°C						
Operating Temp Range:						-40°C To +75°C						
Mechanical Characteristics												
Bulk Cable Weight:						50 lbs/1000ft						
Max Recommended Pulling Tension:						75 lbs						
Min Bend Radius/Minor Axis:						1.32 in						
Standards												
NEC/(UL) Specification:						CMR, CMX-Outdoor						
CEC/C(UL) Specification:						CMR						
ISO/IEC Compliance:						ISO 11801 Cat 5e						
CPR Euroclass:						Eca						
Data Category:						Category 5e						
Telecommunications Standards:						TIA-568.C.2 Category 5e						
Third Party Performance Verification:						UL verified Cat 5e						
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 CE Mark:						Yes						
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 - Outdoor:						Yes						
Suitability - Sunlight Resistance:						Yes						
Flammability, LSOH, Toxicity Testing												
UL Flammability:						UL1666 Vertical Riser						
CSA Flammability:						FT4						
IEEE Flammability:						1202						
UL voltage rating:						300 V RMS						
Plenum/Non-Plenum												
Plenum (Y/N):						No						
Part Number												
Variants						Color		Footnote				
7921A 0101000						Black		C				
7921A 0102000						Black		C				
7921A 0061000						Blue		C				
7921A 0021000						Red		C				
7921A 1NH1000						Teal		C				