

Physical Characteristics (Overall)									
Conductor									
AWG	Stranding	Material			Nominal Diameter			No. of Pairs	
24	7x32	TC - Tinned Copper			0.022 in			4	
Conductor Count:					8				
Total Number of Pairs:					4				
Conductor Size:					24 AWG				
Insulation									
Material		Nominal Diameter			Nominal Wall Thickness				
PO - Polyolefin		0.042 in			0.008 in				
Bonded-Pair:					Yes				
Color Chart									
Number		Color							
1		White/Orange Stripe & Orange							
2		White/Blue Stripe & Blue							
3		White/Green Stripe & Green							
4		White/Brown Stripe & Brown							
Outer Shield Material									
Material									
Unshielded									
Outer Jacket Material									
Material				Nominal Diameter		Nominal Wall Thickness			
Industrial Grade PVC - Polyvinyl Chloride				0.242 in		0.03 in			
Electrical Characteristics									
Conductor DCR									
Max. Conductor DCR				Max. DCR Unbalance					
9 Ohm/1000ft				3 %					
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 %					
High Freq									
Frequency [MHz]	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. PSNEXT [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	2.4 dB/100m	65.3 dB	65.3 dB	62.9 dB	63.8 dB	60.8 dB	20 dB	100 ± 12 Ohm	105 ± 10 Ohm
4 MHz	4.8 dB/100m	56.3 dB	56.3 dB	51.5 dB	51.7 dB	48.7 dB	23 dB	100 ± 12 Ohm	100 ± 10
8 MHz	6.8 dB/100m	51.8 dB	51.8 dB	45 dB	45.7 dB	42.7 dB	24.5 dB	100 ± 12 Ohm	100 ± 10
10 MHz	7.7 dB/100m	50.3 dB	50.3 dB	42.6 dB	43.8 dB	40.8 dB	25 dB	100 ± 12 Ohm	100 ± 10
16 MHz	9.7 dB/100m	47.3 dB	47.3 dB	37.5 dB	39.7 dB	36.7 dB	25 dB	100 ± 12 Ohm	100 ± 10
20 MHz	11 dB/100m	45.8 dB	45.8 dB	34.8 dB	37.7 dB	34.7 dB	25 dB	100 ± 12 Ohm	100 ± 10
25 MHz	12.4 dB/100m	44.3 dB	44.3 dB	31.9 dB	35.8 dB	32.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 10
31.25 MHz	13.9 dB/100m	42.9 dB	42.9 dB	29 dB	33.9 dB	30.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 10
62.5 MHz	20.2 dB/100m	38.4 dB	38.4 dB	18.3 dB	27.8 dB	24.8 dB	21.5 dB	100 ± 15 Ohm	100 ± 10
100 MHz	26 dB/100m	35.3 dB	35.3 dB	9.2 dB	23.8 dB	20.8 dB	20.1 dB	100 ± 18 Ohm	
155 MHz	33.2 dB/100m	32.5 dB	32.5 dB	0 dB	19.9 dB	16.9 dB	19 dB	100 ± 18 Ohm	
200 MHz	38.4 dB/100m	30.8 dB	30.8 dB		17.7 dB	14.7 dB	19 dB	100 ± 20 Ohm	
250 MHz	43.7 dB/100m	29.3 dB	29.3 dB		15.8 dB	12.8 dB	18 dB	100 ± 20 Ohm	
300 MHz	48.6 dB/100m	28.2 dB	28.2 dB		14.2 dB	11.2 dB	18 dB	100 ± 20 Ohm	
310 MHz	49.5 dB/100m	27.9 dB	27.9 dB		13.9 dB	10.9 dB	18 dB	100 ± 20 Ohm	
350 MHz	53.2 dB/100m	27.2 dB	27.2 dB		12.9 dB	9.9 dB	17 dB	100 ± 22 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:					-25°C To +75°C				
Operating Temp Range:					-40°C To +75°C				
Mechanical Characteristics									
Bulk Cable Weight:					26 lbs/1000ft				
Max Recommended Pulling Tension:					40 lbs				
Min Bend Radius/Minor Axis:					0.25 in				
Standards									
NEC/(UL) Specification:					CMR, CMX-Outdoor, UL 444				
CEC/C(UL) Specification:					CMR				
ISO/IEC Compliance:					ISO/IEC 11801				
CPR Euroclass:					Eca				
Data Category:					Category 5e				
Telecommunications Standards:					TIA-568.C.2				
Third Party Performance Verification:					UL Verified Cat 5e Patch				
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 - Indoor:					Yes				
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		
7924A 0101000					Black		C		
7924A 0102000					Black		C		
7924A 0105000					Black		C		
7924A 0061000					Blue		C		
7924A 0081000					Gray		C		
7924A 0021000					Red		C		