

Physical Characteristics (Overall)

Conductor				
AWG	Stranding	Material	Nominal Diameter	No. of Pairs
24	Solid	BC - Bare Copper	0.02 in	4

Conductor Count:	8
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Total Number of Pairs:	2
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Conductor Size:	24 AWG
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Insulation		
Material	Nominal Diameter	Nominal Wall Thickness
PO - Polyolefin	0.038 in	0.009 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	
Material	
Unshielded	

Outer Jacket Material			
Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
LLDPE - Linear Low Density Polyethylene	0.23 in	0.02 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 %

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	23 dB	100 ± 15 Ohm	102.5 ± 7 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 dB	100 ± 15 Ohm	102.5 ± 7 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	24.5 dB	100 ± 15 Ohm	101 ± 6 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	25 dB	100 ± 15 Ohm	101 ± 6 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	25 dB	100 ± 15 Ohm	101 ± 6 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	25 dB	100 ± 15 Ohm	101 ± 6 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	24.3 dB	100 ± 15 Ohm	101 ± 6 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	23.6 dB	100 ± 15 Ohm	101 ± 6 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	21.5 dB	100 ± 15 Ohm	101 ± 6 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	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	15.8 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	15 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											
155 MHz											
200 MHz											

Voltage	
UL Voltage Rating	
300 V RMS	

Temperature Range

Installation Temp Range:	-25°C To +75°C
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UL Temp Rating:	60°C
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Storage Temp Range:	-40°C To +85°C
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Operating Temp Range:	-40°C To +75°C
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Mechanical Characteristics

Bulk Cable Weight:	30 lbs/1000ft
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Max Recommended Pulling Tension:	40 lbs
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Min Bend Radius/Minor Axis:	1 in
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Standards

ISO/IEC Compliance:	ISO/IEC 11801 Cat 5e
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CPR Euroclass:	Eca
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Data Category:	Category 5e
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Telecommunications Standards:	TIA-568-C.2 Category 5e
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Third Party Performance Verification:	UL Verified Cat 5e
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2012/19/EU (WEEE):	Yes
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EU Directive 2015/863/EU:	Yes
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EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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EU CE Mark:	Yes
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EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-04
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Suitability

Suitability - Burial:	Yes - Telcordia, IEC, ICEA
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Suitability - Non-Halogenated:	Yes
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Suitability - Oil Resistance:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Sunlight Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

UL voltage rating:	300 V RMS
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants		
Item #	Color	Footnote
7934A 0101000	Black	C

Footnote:	C - CRATE REEL PUT-UP.
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