Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
23	Solid	BC - Bare Copper	0.022 in	4

Conductor Count:	8
Total Number of Pairs:	4
Conductor Size:	23 AWG

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

Inner Jacket Material

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	.365 x .165 in	Yes

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
Industrial Grade PVC - Polyvinyl Chloride	.475 x .265 in	0.035 in	Yes

Electrical Characteristics

Conductor DCR

Max. Conductor DCR	Max. DCR Unbalance
9 Ohm/1000ft	3 %

Capacitance

Max. Capacitance Unbalance	Nom.Mutual Capacitance
49.2 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. 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	1.9 dB/100m	74.3 dB	72.3 dB	72.4 dB	70.4 dB	67.8 dB	64.8 dB	20 dB	100 ± 12 Ohm	100 ± 15 Ohm
4 MHz	3.7 dB/100m	65.3 dB	63.3 dB	61.6 dB	59.6 dB	55.7 dB	52.7 dB	23 dB	100 ± 12 Ohm	100 ± 15
8 MHz	5.3 dB/100m	60.3 dB	58.8 dB	55.5 dB	53.5 dB	49.7 dB	46.7 dB	24.5 dB	100 ± 12 Ohm	100 ± 15
10 MHz	5.9 dB/100m	59.3 dB	57.3 dB	53.4 dB	51.4 dB	47.8 dB	44.8 dB	25 dB	100 ± 12 Ohm	100 ± 15
16 MHz	7.5 dB/100m	56.3 dB	54.3 dB	48.7 dB	46.7 dB	43.7 dB	40.7 dB	25 dB	100 ± 12 Ohm	100 ± 8
20 MHz	8.4 dB/100m	54.8 dB	52.8 dB	46.4 dB	44.4 dB	41.7 dB	38.7 dB	25 dB	100 ± 12 Ohm	100 ± 8
25 MHz	9.5 dB/100m	53.4 dB	51.4 dB	43.9 dB	41.9 dB	39.8 dB	36.8 dB	24.3 dB	100 ± 15 Ohm	100 ± 8
31.25 MHz	10.6 dB/100m	51.9 dB	49.9 dB	41.2 dB	39.2 dB	37.9 dB	34.9 dB	23.6 dB	100 ± 15 Ohm	100 ± 8
62.5 MHz	15.4 dB/100m	47.4 dB	45.4 dB	32 dB	30 dB	31.8 dB	28.8 dB	21.5 dB	100 ± 15 Ohm	100 ± 8
100 MHz	19.8 dB/100m	44.3 dB	42.3 dB	24.5 dB	22.5 dB	27.8 dB	24.8 dB	21 dB	100 ± 15 Ohm	
155 MHz	25.1 dB/100m	41.5 dB	39.5 dB	16.3 dB	14.3 dB	23.9 dB	20.9 dB	21 dB	100 ± 15 Ohm	
200 MHz	29 dB/100m	39.9 dB	37.9 dB	10.8 dB	10 dB	21.7 dB	18.7 dB	21 dB	100 ± 15 Ohm	
250 MHz	32.8 dB/100m	38.3 dB	36.3 dB	5.5 dB	3.5 dB	19.8 dB	16.8 dB	18 dB	100 ± 20 Ohm	
300 MHz	35.2 dB/100m	37.2 dB	34.2 dB	0.7 dB	0 dB	18.2 dB	15.2 dB	18 dB	100 ± 20 Ohm	
310 MHz	37.1 dB/100m	36.9 dB	34.9 dB	0 dB		17.9 dB	14.9 dB	18 dB	100 ± 20 Ohm	
350 MHz	39.8 dB/100m	36.2 dB	34.2 dB			16.9 dB	13.9 dB	17 dB	100 ± 22 Ohm	
400 MHz	43 dB/100m	35.3 dB	33.3 dB			15.7 dB	12.7 dB	14 dB	100 ± 32 Ohm	
500 MHz	49 dB/100m	33.8 dB	31.8 dB			13.8 dB	10.8 dB	14 dB	100 ± 32 Ohm	

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Installation Temp Range:	-10°C To +75°C
UL Temp Rating:	60°C
Operating Temp Range:	-25°C To +75°C

Mechanical Characteristics

Bulk Cable Weight:	59 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	0.1 in

Standards

NEC/(UL) Specification:	CMR, UL 444
CEC/C(UL) Specification:	CMR
CPR Euroclass:	Eca
Data Category:	Category 6

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 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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1666 Riser
CSA Flammability:	FT1
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	Footnote
11872A 0101000	Black	C
11872A 0081000	Gray	C

Footnote:	C - CRATE REEL PUT-UP.