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1-800-Belden1



General Description:

15 AWG stranded (19x27) .064" bare copper conductor, foam HDPE insulation, bare copper braid shields (95% coverage), Belflex® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	15	19x27	BC - Bare Copper	1.6256

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
Gas-injected FHDPE - Foam High Density Polyethylene	7.9248

Inner Shield

Inner Shield Material:

Type	Inner Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom. Dia. (mm)
PE - Polyethylene	9.9314

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	BC - Bare Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Belflex®	PVC Blend - Polyvinyl Chloride Blend

Overall Cable

Overall Nominal Diameter: 13.208 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -35°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 218.765 Kg/Km

Max. Recommended Pulling Tension: 1174.320 N

Min. Bend Radius/Minor Axis: 139.700 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: No

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

RG Type: 11/U

Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes - Black for Permanent Outdoor Installations; All Colors Suitable for Outdoor Field Deployable Use.

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

75

Nom. Inductance:

Inductance (µH/m)

0.318257

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

56.7613

Nominal Velocity of Propagation:

VP (%)

78

Nominal Delay:

Delay (ns/m)

4.2653

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

10.1711

Nom. Inner Shield DC Resistance:

DCR @ 20°C (Ohm/km)

5.9058

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

4.5934

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1.000	0.328
3.600	0.984
10.000	1.641
71.500	3.937
135.000	5.906
270.000	8.531
360.000	10.171
540.000	12.796
720.000	15.421
750.000	15.749
1000.000	18.702

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Other Electrical Characteristic 1: Nominal Capacitance 1st Shield to 2nd Shield: 205 pF/ft.

Other Electrical Characteristic 2: Nominal Voltage Breakdown: 20K V RMS

Minimum Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. RL (dB)
		5	850	21

Sweep Test

Sweep Testing: 100% sweep tested 5 MHz to 850 MHz.

Misc. Information (Overall)

Other Description: CHANGED INNER JACKET OD, OUTER SHIELD COVERAGE, INNER SHIELD DCR. BAG 08/13/04: Correct Cond. DCR

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1858A B591000	1,000 FT	154.000 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A B594000	4,000 FT	648.000 LB	BLACK, MATTE		#15 GIFHLDPE PVC TRIAX
1858A B59500	500 FT	80.500 LB	BLACK, MATTE	C	#15 GIFHLDPE PVC TRIAX
1858A 0021000	1,000 FT	154.000 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 002500	500 FT	80.500 LB	RED	C	#15 GIFHLDPE PVC TRIAX
1858A 0041000	1,000 FT	154.000 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 004500	500 FT	80.500 LB	YELLOW	C	#15 GIFHLDPE PVC TRIAX
1858A 0051000	1,000 FT	154.000 LB	GREEN, DARK	C	#15 GIFHLDPE PVC TRIAX
1858A 0061000	1,000 FT	154.000 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX
1858A 006500	500 FT	80.500 LB	BLUE, LIGHT	C	#15 GIFHLDPE PVC TRIAX

Notes:
C = CRATE REEL PUT-UP.

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