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1-800-Belden1



General Description:

14 AWG solid .064" bare copper-covered steel conductor, plenum, foam FEP insulation, Duofoil® (100% coverage) + TC braid shields (60% and 40% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	14	Solid	BCCS - Bare Copper Covered Steel	1.6256

Total Number of Conductors: 1

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material	Dia. (mm)
Teflon®	FFEP - Foam Fluorinated Ethylene Propylene	7.112

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
2		Braid	TC - Tinned Copper	60
3	Duofoil®	Tape	Aluminum Foil-Polyester Tape-Aluminum Foil	100
4		Braid	TC - Tinned Copper	40

Outer Jacket

Outer Jacket Material:

Outer Jacket Trade Name	Outer Jacket Material
Teflon®	FEP - Fluorinated Ethylene Propylene

Overall Cable

Overall Nominal Diameter: 9.830 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 145.844 Kg/Km

Max. Recommended Pulling Tension: 1049.775 N

Min. Bend Radius/Minor Axis: 101.600 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP, CL2P

CEC/C(UL) Specification: CMP

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

EU CE Mark: Yes

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

EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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
Series Type:	Series 11

Flame Test

UL Flame Test:	NFPA 262
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
75

Nom. Inductance:

Inductance (µH/m)
0.305133

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
53.1522

Nominal Velocity of Propagation:

VP (%)
82

Nominal Delay:

Delay (ns/m)
4.06844

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
36.091

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
5.9058

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	0.6562
10	1.27959
50	3.9372
100	5.5777
200	8.2025
400	11.4835
700	15.0926
900	17.3893
1000	18.3736

Max. Operating Voltage - UL:

Voltage
300 V RMS

Minimum Structural Return Loss:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Min. SRL (dB)
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		5	400	20
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Notes (Overall)

Notes: Sweep tested 5 MHz to 400 MHz. For use in indoor plenum environments but also suitable for outdoor and underground applications. Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1153A A8R1000	1,000 FT	106.000 LB	BEIGE, SNOW	C	#14 FFEP DBL SH FEP
1153A A8R500	500 FT	52.500 LB	BEIGE, SNOW	C	#14 FFEP DBL SH FEP

Notes:
C = CRATE REEL PUT-UP.

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