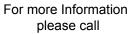
Detailed Specifications & Technical Data



ENGLISH MEASUREMENT VERSION

89248 Coax - 75 Ohm Coax



1-800-Belden1



General Description:

18 AWG solid .040" bare copper conductor, plenum, foam FEP insulation, Duofoil® + tinned copper braid shield (65% coverage), FEP jacket.

Physical Characteristics (Overall)	
Conductor AWG:	
# Coax AWG Stranding Conductor Material Dia. (in.)	
1 18 Solid BC - Bare Copper .040	
Total Number of Conductors:	1
Insulation	
Insulation Material:	
Insulation Material Dia. (in.)	
FFEP - Foam Fluorinated Ethylene Propylene .170	
Outer Shield	
Outer Shield Material:	
Layer # Outer Shield Trade Name Type Outer Shield Ma 1 Duofoil® Tape Aluminum Foil-Poil	terial Coverage (%) blyester Tape-Aluminum Foil 100
2 Braid TC - Tinned Copp	
Outer Jacket Outer Jacket Material:	
Outer Jacket Material	
FEP - Fluorinated Ethylene Propylene	
Overall Cable	
Overall Nominal Diameter:	0.222 in.
Mechanical Characteristics (Overall)	
Operating Temperature Range:	-70°C To +200°C
Non-UL Temperature Rating:	200°C
Bulk Cable Weight:	30 lbs/1000 ft.
Max. Recommended Pulling Tension:	45 lbs.
Min. Bend Radius/Minor Axis:	3 in.
Applicable Specifications and Agency Complian	ce (Overall)
Applicable Standards & Environmental Programs	СМР
NEC/(UL) Specification:	
CEC/C(UL) Specification:	CMP
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):	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
RG Type:	6/U

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Flame Test				
UL Flame Test:	NFPA 262	NFPA 262		
CSA Flame Test:	FT6			
Suitability				
Suitability - Indoor:	Yes			
Suitability - Outdoor:	Yes			
Suitability - Aerial:	Yes			
Plenum/Non-Plenum				
Plenum (Y/N):	Yes			
Non-Plenum Number:	9248			

Electrical Characteristics (Overall)

Nom. Characte	ristic Impedance:
Impedance	(Ohm)
75	
Nom. Inductan	ce:
Inductance	
.09	
Nom Canacita	nce Conductor to Shield:
Capacitance	
16.5	
Nominal Valasi	ity of Propagation:
VP (%)	ity of Propagation:
82	
Nominal Delay	_
Delay (ns/ft)	1
	or DC Resistance:
<u> </u>	C (Ohm/1000 ft)
6.4	
	Shield DC Resistance:
<u> </u>	C (Ohm/1000 ft)
5.1	
Nom. Attenuati	on:
,	Attenuation (dB/100 ft.)
1	.3
10	.7
50	1.5
100	2.1
200 400	3.1
700	6.0
900	6.9
1000	7.3
Max. Operating	j voitage - UL:
Voltage	

300 V RMS

Minimum Return Loss:

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Min. RL (dB)

5 450 23

Notes (Overall)

Notes: 100% Sweep tested 5 MHz to 450 MHz.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
89248 0101000	1,000 FT	33.000 LB	BLACK	С	#18 FFEP RG 6/U COAX
89248 0102000	2,000 FT	64.000 LB	BLACK	С	#18 FFEP RG 6/U COAX
89248 010500	500 FT	16.500 LB	BLACK	С	#18 FFEP RG 6/U COAX

Notes:

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

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