Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

9203 Coax - 50 Ohm Coax



For more Information
please call

1-800-Belden1

Description:

20 AWG stranded (19x33) .035" tinned copper conductor, polyethylene insulation, tinned copper braid shield (95% coverage), non-contaminating PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Coax	AWG	Stranding	Conductor Material	Dia. (mm)
1	20	19x33	TC - Tinned Copper	0.889

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PE - Polyethylene	2.9464

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	95

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVCNC - Polyvinyl Chloride Non-Contaminating

Overall Cabling

Overall Nominal Diameter:	4.953 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +85°C
UL Temperature Rating:	85°C
Bulk Cable Weight:	37.205 Kg/Km
Max. Recommended Pulling Tension:	186.824 N
Min. Bend Radius (Install)/Minor Axis:	50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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):	10/01/2005
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

Military Specification:	MIL-C-17G, M17/28
RG Type:	58/U

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
50

Nom. Inductance:

Inductance (µH/m)
0.252637

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)
101.055

Nominal Velocity of Propagation:

VP (%)
66

Nominal Delay:

Delay (ns/m)
5.05274

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
35.4348

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
13.4521

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
1	1.3124
10	4.5934
50	10.8273
100	16.0769
200	23.9513
400	37.7315
700	55.777
900	65.62
1000	70.5415

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
50	13.124
100	21.3265
400	55.777
1000	91.868

Max. Power Rating:

Freq. (MHz)	Rating (W)
50	300
100	200
400	90
1000	55

Max. Operating Voltage - Non-UL:

Voltage
1400 V RMS

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Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9203 0101000	305 MT	11.340 KG	BLACK		M17/28-RG058 COAX
9203 010500	152 MT	5.670 KG	BLACK	C	M17/28-RG058 COAX

Notes:
C = CRATE REEL PUT-UP.

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург, Промышленная ул, дом № 19, литера Н, помещение 100-Н Офис 331