



Product: [9212](#)

MIL-C-17G, RG11, 75 Ohm Coax, #18 Str TC, 95% BC Braid, CMH



## Product Description

18 awg stranded (7x26) .048" tinned copper conductor, polyethylene insulation, bare copper braid shield (95% coverage), non-contaminating PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Coax
18	Stranded	TC - Tinned Copper	0.048 in	1

Conductor Count: 1

#### Insulation

Material	Nominal Diameter
PE - Polyethylene	0.285 in

#### Outer Shield

Type	Material	Coverage [%]
Braid	Bare Copper (BC)	95%

#### Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride (Non-Contaminating)	0.405 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Conductor DCR Conductor Resistance	Nominal Outer Shield DCR	Outer Conductor DCR
6.1 Ohm/1000ft	6.1 Ohm/1000ft	1.2 Ohm/1000ft	1.2 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Shield
20.5 pF/ft

#### Inductance

Nominal Inductance
0.17 $\mu$ H/ft

#### Impedance

Nominal Characteristic Impedance
75 Ohm

#### High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
1 MHz	0.2 dB/100ft
10 MHz	0.7 dB/100ft

50 MHz	1.3 dB/100ft
100 MHz	2 dB/100ft
200 MHz	2.9 dB/100ft
400 MHz	4.2 dB/100ft
700 MHz	5.8 dB/100ft
900 MHz	6.9 dB/100ft
1000 MHz	7.2 dB/100ft

#### Delay

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.54 ns/ft	66%

#### Voltage

Non-UL Voltage Rating
3700 V RMS

#### Temperature Range

Non-UL Temp Rating:	60°C
Operating Temperature Range:	-40°C To +85°C

#### Mechanical Characteristics

Bulk Cable Weight:	96 lbs/1000ft
Max. Pull Tension:	143 lbs
Min. Bend Radius/Minor Axis:	4.25 in

#### Standards

NEC/(UL) Compliance:	CMH
CEC/C(UL) Compliance:	CMH
RG Type:	11
Military Compliance:	MIL-DTL-17, M17/6, QPL

#### Applicable Environmental and Other Programs

Environmental Space:	Indoor (Not Riser or Plenum)
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	No
MII Order #39 (China RoHS):	Yes

#### Suitability

Suitability - Indoor:	Yes
-----------------------	-----

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	VW-1
CSA Flammability:	FT1

#### Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

#### Related Part Numbers

#### Variants

Item #	Color	Put-Up Type	Length	UPC
9212 0101000	Black	Reel	1,000 ft	612825357834

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

#### History

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.