



**Product:** [M4251](#) 

COAX, 1C #19, Str, PTFE, 1400 V RMS

## Product Description

COAX, 1 Conductor 19 AWG (1/.037) SCW - Silver Coated Copper Weld, PTFE Insulation, Overall Silver Plated Copper Shield, Natural Tan FEP Outer Jacket

## Technical Specifications

### Construction Details

RG Type:	142
----------	-----

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	19 AWG	Solid	SCCS - Silvered Copper Covered Steel

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PTFE - Polytetrafluoroethylene	0.116 in (2.95 mm)	Natural

#### Inner Shield

Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	95%

#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	93%

#### Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.195 in (4.95 mm)

Overall Cable Diameter (Nominal):	0.195 in (4.95 mm)
-----------------------------------	--------------------

### Electrical Characteristics

#### Electricals

Element	Max. Conductor DCR	Nom. Outer Shield DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
Conductor(s)	19.3 Ohm/1000ft (63.3 Ohm/km)	2.3 Ohm/1000ft (7.5 Ohm/km)	29.0 pF/ft (95.1 pF/m)	50 Ohm	70%

#### Voltage

Voltage Rating
1400 V (Mil-Spec)

### Mechanical Characteristics

#### Temperature

Operating
-55°C To +200°C

#### Bend Radius

Stationary Min.

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-C-17
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.9 Revision Date: 05-18-2026
----------------------	--

## Part Numbers

### Variants

Item #
M4251 BR199

© 2026 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.