



**Product:** [9178B](#) 

COAX, 1C #30, Str, PTFE, 750 V RMS

## Product Description

COAX, 1 Conductor 30 AWG (7/38) SCW - Silver Coated Copper Weld, PTFE Insulation, Overall Silver Plated Copper Shield, Natural Tan FEP Outer Jacket

## Technical Specifications

### Construction Details

RG Type:	178
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#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	30 AWG	7x38	SCCS - Silvered Copper Covered Steel

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PTFE - Polytetrafluoroethylene	0.034 in (0.86 mm)	Clear

#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	94%

#### Outer Jacket

Material	Nom. Diameter
FEP - Fluorinated Ethylene Propylene	0.071 in (1.8 mm)

Overall Cable Diameter (Nominal): 0.071 in (1.8 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)	241 Ohm/1000ft (791 Ohm/km)	14.6 Ohm/1000ft (47.9 Ohm/km)	29.3 pF/ft (96.1 pF/m)	50 Ohm	70%

#### Voltage

Voltage Rating
750 V (Mil-Spec)

### Mechanical Characteristics

#### Temperature

Operating
-55°C To +200°C

#### Bend Radius

Stationary Min.
0.7 in (18 mm)

Max. Pull Tension: 66 lbs (30 kg)

### Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-C-17
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.88 Revision Date: 05-18-2026
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## Part Numbers

### Variants

Item #
9178B CL001
9178B CL005
9178B CL199
9178B CL002

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