Belden

# Product: 9158S

COAX, 1C , Sol, FEP, 300 V RMS, CL2P 200C, CSA CMP, CSA FT6

## Product Description

COAX, 1 Conductor 20 AWG (SOLID) BC - Bare Copper, FEP Insulation, Overall Tinned Copper Shield, Black FEP Outer Jacket, CL2P 200C, CSA CMP, CSA FT6 CMP, FT6 UL FT6; CSA FT6

## Technical Specifications

### Construction Details

| | |
|---|---|
| RG Type: | 58 |

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Conductor(s) | 1 | 20 AWG | Solid | BC - Bare Copper |

**Insulation**

| Element | Material | Nom. Insulation Diameter | Color Code |
|---|---|---|---|
| Conductor(s) | FEP - Fluorinated Ethylene Propylene | 0.107 in (2.72 mm) | Natural |

**Outer Shield**

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

**Outer Jacket**

| Material | Nom. Diameter |
|---|---|
| FEP - Fluorinated Ethylene Propylene | 0.159 in (4.04 mm) |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.159 in (4.04 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) | 10.1 Ohm/1000ft (33.1 Ohm/km) | 4.1 Ohm/1000ft (13 Ohm/km) | 30.0 pF/ft (98.4 pF/m) | 50 Ohm | 70% |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CMP), 150 V (CL2P) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 200°C | -70°C To +200°C |

**Bend Radius**

| Stationary Min. |
|---|
| 1.6 in (41 mm) |

| | |
|---|---|
| Max. Pull Tension: | 49 lbs (22 kg) |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Plenum, Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Reaction to Fire: | FT6, FT6 |
| NEC / UL Compliance: | CL2P |
| CEC / C(UL) Compliance: | CMP, CMP. |
| 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) |

## Product Notes

| | |
|---|---|
| Notes: | Alpha Wire -* P/N 9158S 1C 20 AWG RG 58 TYPE 20 AWG SHIELDED 200C (UL) TYPE CL2P OR C(UL) CMP FT6 -- CE ROHS |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.89 Revision Date: 05-18-2026 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length |
|---|---|---|---|
| 9158S BK002 | Black | Reel | 500 ft |
| 9158S BK001 | Black | Reel | 1,000 ft |

© 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.