



Product: [9102](#) 

COAX, 1C , Sol, Foam FEP Teflon, 300 V RMS, CMP 125C, CL2P, CSA C(UL) TYPE CMP, CSA FT6

Product Description

COAX, 1 Conductor 20 AWG (SOLID) BCW - Bare Copper Weld, Foam FEP Teflon Insulation, Overall Aluminum/Polyester Shield, Black PVDF Outer Jacket, CMP 125C, CL2P, CSA C(UL) TYPE CMP, CSA FT6 C(UL) TYPE CMP, FT6 UL FT6; CSA FT6

Technical Specifications

Construction Details

RG Type:	59
----------	----

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	20 AWG	Solid	BCCS - Bare Copper Covered Steel

Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	FEP - Fluorinated Ethylene Propylene (Foam)	0.140 in (3.56 mm)	Natural

Outer Shield

Outer Shield Type	Material	Coverage
Tape	Tri-Laminate (Alum+Poly+Alum)	100%

Outer Jacket

Material	Nom. Diameter
PVDF - Polyvinylidene Fluoride	0.212 in (5.38 mm)

Overall Cable Diameter (Nominal):	0.212 in (5.38 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)	26 Ohm/1000ft (85 Ohm/km)	2.6 Ohm/1000ft (8.5 Ohm/km)	16.5 pF/ft (54.1 pF/m)	75 Ohm	82%

Voltage

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

Mechanical Characteristics

Temperature

UL Temperature	Operating
125°C	-10°C To +125°C

Bend Radius

Stationary Min.
2.1 in (53 mm)

Max. Pull Tension:	35 lbs (16 kg)
--------------------	----------------

Standards and Compliance

Environmental Suitability:	Plenum, Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	FT6, FT6
NEC / UL Compliance:	CMP, 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 9102 1C 20 AWG RG 59 TYPE FOAM 20 AWG TYPE CL2P OR CMP 125C (UL) OR C(UL) CMP FT6 CE ROHS
--------	--

History

Update and Revision:	Revision Number: 0.11 Revision Date: 05-18-2026
----------------------	---

Part Numbers

Variants

Item #	Color	Putup Type	Length
9102 BK002	Black	Reel	500 ft
9102 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.