



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
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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)
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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)
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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
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History

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

Variants

Item #	Color	Putup Type	Length
9102 BK002	Black	Reel	500 ft
9102 BK001	Black	Reel	1,000 ft

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