



**Product:** [9817](#) 

COAX, 2C #20, Str, Polyethylene(PE), 300 V RMS, AWM/STYLE 2498 80C

## Product Description

COAX, 2 Conductor 20 AWG (7/28) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Tinned Copper Shield, Black PVC Outer Jacket, AWM/STYLE 2498 80C

## Technical Specifications

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	20 AWG	7x28	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.083 in (2.1 mm)	Clear, Clear

#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.330 in (8.38 mm)

Overall Cable Diameter (Nominal): 0.330 in (8.38 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)	9.5 Ohm/1000ft (31 Ohm/km)	3.0 Ohm/1000ft (9.8 Ohm/km)	23.0 pF/ft (75.5 pF/m)	100 Ohm	66%

#### Voltage

UL Voltage Rating
300 V (UL AWM 2498)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
80°C	-20°C To +80°C

#### Bend Radius

Stationary Min.
3.3 in (84 mm)

Max. Pull Tension: 10.2 lbs (4.63 kg)

### Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
AWM Compliance:	AWM 2498
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 9817 2C 20 AWG RU AWM STYLE 2498 CE ROHS
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## History

Update and Revision:	Revision Number: 0.12 Revision Date: 05-18-2026
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## Part Numbers

### Variants

Item #
9817 BK002
9817 BK001

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