



Product: [1717](#) 

Communication and Control, 6C #20, Str, Polyethylene(PE), 600 V

Product Description

Communication and Control, 6 Conductor 20 AWG (26/34) TC - Tinned Copper, Polyethylene(PE) Insulation, Overall Tinned Copper Shield, Slate PVC Outer Jacket

Technical Specifications

Product Overview

Suitable Applications:	Data, communication, audio, and low-level signal transmission; industrial networking, serial communication, control panels, automation equipment, and instrumentation systems.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	20 AWG	26x34	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene	0.015 in (0.38 mm)	0.068 in (1.7 mm)	Black, White, Red, Green, Yellow, Blue

Outer Shield

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

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.306 in (7.77 mm)

Overall Cable Diameter (Nominal):	0.306 in (7.77 mm)
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Electrical Characteristics

Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance
Conductor(s)	22.4 pF/ft (73.5 pF/m)	40 pF/ft (130 pF/m)	0.19 µH/ft (0.62 µH/m)

Nom Outer Shield DCR:	31 Ohm/1000ft (100 Ohm/km)
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Voltage

UL Voltage Rating	Voltage Rating
600 V	600 V

Mechanical Characteristics

Temperature

Operating
-20°C To +60°C

Bend Radius

Stationary Min.

3.1 in (79 mm)

Max. Pull Tension: 7.5 lbs (3.4 kg)

Standards and Compliance

Environmental Suitability: Indoor

Sustainability: CA Prop 65

European Directive Compliance: 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 1717 CE ROHS

History

Update and Revision: Revision Number: 0.120 Revision Date: 06-30-2026

Part Numbers**Variants**

Item #	Color	Putup Type	Length
1717 SL005	Black	Reel	100 ft
1717 SL002	Black	Reel	500 ft
1717 SL001	Black	Reel	1,000 ft

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