



**Product:** [2829/2](#) 

Communication and Control, 2C #18, Str, PTFE, 600 V

## Product Description

Communication and Control, 2 Conductor 18 AWG (19/30) SPC - Silver Plated Copper, PTFE Insulation, Overall Silver Plated Copper Shield, White PTFE Tape 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)	2	18 AWG	19x30	SC - Silvered Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PTFE - Polytetrafluoroethylene	0.010 in (0.25 mm)	0.069 in (1.8 mm)	White, Black

#### Outer Shield

Shield Type	Material	Coverage
Braid	Silvered Copper (SC)	90%

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.012 in (0.30 mm)	0.186 in (4.72 mm)

Overall Cable Diameter (Nominal):	0.186 in (4.72 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Inductance
Conductor(s)	33 pF/ft (110 pF/m)	59 pF/ft (190 pF/m)	44 Ohm	0.15 µH/ft (0.49 µH/m)

Nom Outer Shield DCR:	51 Ohm/1000ft (170 Ohm/km)
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#### Voltage

Voltage Rating
600 V (MIL-SPEC)

### Mechanical Characteristics

#### Temperature

Operating
-60°C To +200°C

#### Bend Radius

**Stationary Min.**

1.9 in (48 mm)

Max. Pull Tension: 0.88 lbs (0.40 kg)

**Standards and Compliance**

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Military Compliance:	MIL-W-16878/4
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)

**History**

Update and Revision: Revision Number: 0.96 Revision Date: 06-30-2026

**Part Numbers****Variants**

Item #	Color	Putup Type	Length
2829/2 WH005	White	Reel	100 ft
2829/2 WH001	White	Reel	1,000 ft

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