



Product: [18RC2S06](#)

HITEMPCTRL, 2C #18, Str, PTFE, 600 V

Product Description

HITEMPCTRL, 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	0.009 in (0.23 mm)	0.068 in (1.7 mm)	White, White/Blue

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Braid	Silvered Copper (SC)	85%	22 AWG (7x30) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PTFE - Polytetrafluoroethylene	0.010 in (0.25 mm)	0.174 in (4.42 mm)

Overall Cable Diameter (Nominal):	0.174 in (4.42 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)	31 pF/ft (100 pF/m)	56 pF/ft (180 pF/m)	48 Ohm	0.18 µH/ft (0.59 µH/m)

Nom Outer Shield DCR:	83 Ohm/1000ft (270 Ohm/km)
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Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
80°C	-55°C To +200°C

Bend Radius

Stationary Min.
1.7 in (43 mm)

Max. Pull Tension:	159 lbs (72.1 kg)
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Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 800, CMG, CM
AWM Compliance:	AWM 2576
CEC / C(UL) Compliance:	CMG.
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: 0.22 Revision Date: 08-29-2026
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Part Numbers

Variants

Item #	Color
18RC2S06 NA005	White

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