



Product: [9775](#)

Audio, Control & Instrument, #18-9pr, PO, Individ. Foil, PVC Jkt, CM

### Product Description

Audio, Control & Instrument Cable, 18 AWG stranded (19x30) tinned copper conductors, polypropylene insulation, 9 twisted pairs, individually shielded with Beldfoil® (100% coverage), 20 AWG stranded tinned copper drain wire, PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	Low Voltage Analog Signals (4-20ma, 0-10v, ...); Low Voltage Digital Control (24v, ...); Line Level Audio; Computer Communication; Panel Wiring
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	9	18 AWG	19x30	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.019 in (0.48 mm)	0.082 in (2.1 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White, Red & Green

##### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type	Notes
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC	each pair

##### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Polyester Tape	PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	0.655 in (16.6 mm)

Overall Cable Diameter (Nominal):	0.655 in (16.6 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
Pair(s)	7.2 Ohm/1000ft	8.3 Ohm/1000ft (27 Ohm/km)	30 pF/ft (98 pF/m)	55 pF/ft (180 pF/m)	50 Ohm	66%	2.7 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V (CM), 30 V (AWM 2929)

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.
6.6 in (170 mm)	6.6 in (170 mm)

Max. Pull Tension:	558 lbs (253 kg)
Bulk Cable Weight:	244 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading
NEC / UL Compliance:	Article 800, CM
AWM Compliance:	AWM 2919
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.496 Revision Date: 04-19-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
9775 060100	Chrome	Reel	100 ft	612825258544
9775 060500	Chrome	Reel	500 ft	612825258568
9775 0601000	Chrome	Reel	1,000 ft	612825258551
9775 0605000	Chrome	Reel	5,000 ft	612825258575

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