



**Product:** [9952](#) 

Electronic, 2 C #16 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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## Product Description

Electronic, 2 Conductor 16AWG (19x29) Tinned Copper, PVC-NYL Insulation, Overall Tinned Copper Braid(90%) Shield, PVC Outer Jacket

## Technical Specifications

### Product Overview

Suitable Applications:	MIL-W-16878 (Type B) Spec; up to 600V analog signals ; up to 600V voltage control
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	16	19x29	TC - Tinned Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.016 in (0.41 mm)	0.088 in (2.2 mm)	White, Black
Nylon	0.004 in (0.10 mm)		

#### Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	90%

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.25 in (6.4 mm)

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
4.3 Ohm/1000ft	57 pF/ft (190 pF/m)	95 pF/ft (310 pF/m)	0.12 µH/ft (0.39 µH/m)	6.5 Amps per Conductor at 25°C

Nom Outer Shield DCR:	6.4 Ohm/1000ft (21 Ohm/km)
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#### Voltage

Voltage Rating
600 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
105°C	-20°C To +105°C

#### Bend Radius

Stationary Min.	Installation Min.
2.5 in (64 mm)	2.5 in (64 mm)

Max. Pull Tension:	64.8 lbs (29.4 kg)
Bulk Cable Weight:	38 lbs/1000ft

## Standards and Compliance

Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
Military Compliance:	MIL-W-16878E/17 (insulated conductor)
European Directive Compliance:	EU CE Mark, 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: 0.501 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
9952 009100	White	612825265108	
9952 0091000	White	612825265115	C
9952 009500	White	612825265122	

Footnote:	C - CRATE REEL PUT-UP.
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