


**Product: [9966](#)**
**Electronic, 2 C #22 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt**
[Request Sample](#)
**Product Description**
**Electronic, 2 Conductor 22AWG (19x34) 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

**Construction Details**
**Conductor**

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	22	19x34	TC - Tinned Copper

**Insulation**

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.0125 in (0.318 mm)	0.056 in (1.4 mm)	White, Black
Nylon	0.003 in (0.076 mm)		

**Outer Shield**

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	92%

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.02 in (0.51 mm)	0.174 in (4.42 mm)

**Electrical Characteristics**
**Electricals**

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Inductance	Max. Current
14.6 Ohm/1000ft	52 pF/ft (170 pF/m)	87 pF/ft (290 pF/m)	0.129 $\mu$ H/ft (0.423 $\mu$ H/m)	2.8 Amps per Conductor at 25°C
Nom Outer Shield DCR:				6.2 Ohm/1000ft (20 Ohm/km)

**Voltage**

Voltage Rating
600 V

**Mechanical Characteristics**
**Temperature**

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

**Bend Radius**

Stationary Min.	Installation Min.
1.74 in (44.2 mm)	1.74 in (44.2 mm)

Max. Pull Tension:	19 lbs (8.6 kg)
Bulk Cable Weight:	19 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: 0.500 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	UPC	Footnote
9966 009100	White	612825265313	
9966 0091000	White	612825265320	C
9966 009500	White	612825265337	

Footnote:	C - CRATE REEL PUT-UP.
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