



Product: [9962](#)

Electronic, 2 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

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Product Description

Electronic, 2 Conductor 20AWG (19x32) 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	Number of Element	AWG	Stranding	Material
Conductor(s)	2	20	19x32	TC - Tinned Copper

Insulation

Element	Material	Thickness	Color Code
Conductor(s)	PVC/Nylon - Polyvinyl Chloride + Nylon	0.011 in (0.28 mm)	White, Black

Outer Shield Material

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

Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.192 in

Cable Diameter (Nominal):	0.192 in (4.88 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	9.1 Ohm/1000ft (30 Ohm/km)	53 pF/ft (170 pF/m)	91 pF/ft (300 pF/m)	3.8 Amps per Conductor at 25°C

Nom. Outer Shield DCR:	6.8 Ohm/1000ft
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Voltage

Non-UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

UL Rating	Operating
105°C	-20°C to +105°C

Bend Radius

Stationary Min.	Installation Min.

1.9 in (48 mm)	1.9 in (48 mm)
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Max. Pull Tension:	30 lbs (14 kg)
Bulk Cable Weight:	22 lbs/1000ft (33 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Fire Resistance:	VW-1
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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	NEMA HP3

History

Update and Revision:	Revision Number: 0.352 Revision Date: 06-08-2021
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