Product: 9964

Electronic, 4 C #20 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

Request Sample

Product Description

Electronic, 4 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	20	19x32	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC/Nylon - Polyvinyl Chloride + Nylon	0.0135 in (0.343 mm)	0.064 in (1.6 mm)	White, Black, Red, Green
Nylon	0.003 in (0.076 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)	0.226 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
9.1 Ohm/1000ft	40 pF/ft (130 pF/m)	100 pF/ft (330 pF/m)	3.8 Amps per Conductor at 25ºC

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.26 in (57.4 mm)	2.26 in

Max. Pull Tension:	60 lbs (27 kg)
Bulk Cable Weight:	35 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: 0.389 Revision Date: 05-05-2023

Part Numbers

Variants

Item #	Color	UPC	Footnote
9964 009100	White	612825265276	
9964 0091000	White	612825265283	C
9964 009500	White	612825265290	

Mouser Electronics

Authorized Distributor

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Belden Wire & Cable:

9964 009500 9964 009100 9964 0091000