BELDEN
SENDING ALL THE RIGHT SIGNALS

Product: 9967

Electronic, 3 C #22 Str TC, PVC-NYL Ins, OA TC Brd, PVC Jkt

Request Sample

Product Description

Electronic, 3 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	19x34	TC - Tinned Copper	3

Conductor Count:	3

Insulation

Layer	Material	Nominal Wall Thickness
1	PVC - Polyvinyl Chloride	0.01 in
2	Nylon	0.003 in

Color Chart

Number	Color
1	White
2	Black
3	Red

Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	90 %

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.184 in	0.02 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
15.3 Ohm/1000ft	5.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
45 pF/ft	88 pF/ft

Inductance

Nominal Inductance
0.144 µH/ft

Current

Max. Recommended Current [A]
2.8 Amps per conductor @ 25°C

Voltage

Non-UL Voltage Rating
600 V RMS

Electrical Characteristics Notes:	500 megohms/1000 ft. @ 500 VDC

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-20°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	28.5 lbs
Min Bend Radius/Minor Axis:	2 in

Standards

Military Specification:	MIL-W-16878E/17 (insulated conductor)
Other Specification:	NEMA HP3

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

Item #	Color	UPC
9967 009100	White	612825265344
9967 0091000	White	612825265351
9967 009500	White	612825265368

Footnote:	C - CRATE REEL PUT-UP.

History

Update and Revision:	Revision Number: 0.292 Revision Date: 04-28-2020