



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	Number of Element	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)	Max. Current
14.6 Ohm/1000ft	52 pF/ft (170 pF/m)	87 pF/ft (290 pF/m)	2.8 Amps per Conductor at 25°C

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)
Other Standard Compliance(s):	NEMA HP3

History

Update and Revision:	Revision Number: 0.495 Revision Date: 01-20-2023
----------------------	--

Part Numbers

Variants

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

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.