

## 9966 Multi-Conductor - 2 Conductors Cabled -Communication and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

22 AWG stranded (19x34) tinned copper conductors, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

# Conductors	AWG	Stranding	Conductor Material
2	22	19x34	TC - Tinned Copper

**Insulation****Insulation Material:**

Layer #	Insulation Material	Wall Thickness (in.)
1	PVC - Polyvinyl Chloride	.010
2	Nylon	.003

**Insulation Resistance:**

500 megohms/1000 ft. @ 500 VDC

**Outer Shield****Outer Shield Material:**

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

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.020

**Overall Cable****Overall Cabling Lay Length & Direction:**

Length (in.)	Twists (ft.)
1.5	8

**Overall Cabling Color Code Chart:**

Number	Color
1	White
2	Black

**Overall Nominal Diameter:**

0.176 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 18.600 lbs/1000 ft.

Max. Recommended Pulling Tension: 19 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.750 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

EU CE Mark:

Yes

## 9966 Multi-Conductor - 2 Conductors Cabled -Communication and Instrumentation Cable

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes
Military Specification:	MIL-W-16878E/17 (insulated conductor)

## Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1
----------------	-------------------------

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (μH/ft)
.129

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
52

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)
87

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
14.6

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
6.2

## Max. Operating Voltage - UL:

Voltage
600 V RMS

## Max. Recommended Current:

Current
2.8 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9966 009100	100 FT	2.600 LB	WHITE		2 #22 PVC/NY SHLD PVC
9966 0091000	1,000 FT	20.000 LB	WHITE	C	2 #22 PVC/NY SHLD PVC
9966 009500	500 FT	10.500 LB	WHITE		2 #22 PVC/NY SHLD PVC

## Notes:

C = CRATE REEL PUT-UP.

## 9966 Multi-Conductor - 2 Conductors Cabled -Communication and Instrumentation Cable

Revision Number: 2    Revision Date: 09-19-2008

© 2012 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.