

9947 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) TC conductors, S-R PVC insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

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

# Conductors	AWG	Stranding	Conductor Material
15	22	7x30	TC - Tinned Copper

Total Number of Conductors: 15

Insulation**Insulation Material:**

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011

Outer Shield**Outer Shield Material:**

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

Outer Jacket**Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.035

Overall Cable**Overall Cabling Color Code Chart:**

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White

Overall Nominal Diameter: 0.340 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +80°C

9947 Multi-Conductor - Computer Cable for EIA RS-232 Applications

UL Temperature Rating:	80°C (UL AWM Style 2464)
-------------------------------	--------------------------

Bulk Cable Weight:	78 lbs/1000 ft.
---------------------------	-----------------

Min. Bend Radius/Minor Axis:	3.500 in.
-------------------------------------	-----------

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

NEC/(UL) Specification:	CMG
--------------------------------	-----

CEC/C(UL) Specification:	CMG
---------------------------------	-----

AWM Specification:	UL Style 2464 (300 V 80°C)
---------------------------	----------------------------

EU CE Mark:	Yes
--------------------	-----

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
--	-----

MII Order #39 (China RoHS):	Yes
------------------------------------	-----

Flame Test

UL Flame Test:	UL1685 FT4 Loading
-----------------------	--------------------

CSA Flame Test:	FT4
------------------------	-----

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

35

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

63

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

14.7

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.1

Max. Operating Voltage - UL:

Voltage

300 V RMS (UL AWM Style 2464)

Max. Recommended Current:

Current

2.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9947 060100	100 FT	8.700 LB	CHROME		15 #22 PVC SHLD PVC
9947 0601000	1,000 FT	83.000 LB	CHROME	C	15 #22 PVC SHLD PVC
9947 060500	500 FT	42.500 LB	CHROME	C	15 #22 PVC SHLD PVC
9947 0605000	5,000 FT	415.000 LB	CHROME		15 #22 PVC SHLD PVC

9947 Multi-Conductor - Computer Cable for EIA RS-232 Applications

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-21-2012

© 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.