

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



For more Information
please call

1-800-Belden1

**General 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 (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

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 (mm)
PVC - Polyvinyl Chloride	0.889

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: 8.636 mm

Mechanical Characteristics (Overall)

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

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UL Temperature Rating:	80°C (UL AWM Style 2464)
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Bulk Cable Weight:	116.080 Kg/Km
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Min. Bend Radius/Minor Axis:	88.900 mm
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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
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CEC/C(UL) Specification:	CMG
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AWM Specification:	UL Style 2464 (300 V 80°C)
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 FT4 Loading
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CSA Flame Test:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

114.835

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

206.703

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

48.2307

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

13.4521

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	30 MT	3.946 KG	CHROME		15 #22 PVC SHLD PVC
9947 0601000	305 MT	37.648 KG	CHROME	C	15 #22 PVC SHLD PVC
9947 060500	152 MT	19.278 KG	CHROME	C	15 #22 PVC SHLD PVC
9947 0605000	1,524 MT	188.242 KG	CHROME		15 #22 PVC SHLD PVC

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Notes:

C = CRATE REEL PUT-UP.

Test Reports

a) UL

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

* other test data may be available if requested at time of order.

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