

## 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)
Bulk Cable Weight:	116.080 Kg/Km
Min. Bend Radius/Minor Axis:	88.900 mm

### 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 Directive 2011/65/EU (ROHS II):	Yes
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
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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	100 FT	8.700 LB	CHROME		BRAID 15 #22 PVC SHLD PVC
9947 0601000	1,000 FT	83.000 LB	CHROME	C	BRAID 15 #22 PVC SHLD PVC
9947 060500	500 FT	42.500 LB	CHROME	C	BRAID 15 #22 PVC SHLD PVC

## METRIC MEASUREMENT VERSION

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

9947 0605000	5,000 FT	415.000 LB	CHROME		BRAID 15 #22 PVC SHLD PVC
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**Notes:**

C = CRATE REEL PUT-UP.

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