

## 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

### 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

## METRIC MEASUREMENT VERSION

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

9947 0605000	1,524 MT	188.242 KG	CHROME	15 #22 PVC SHLD PVC
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**Notes:**

C = CRATE REEL PUT-UP.

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