



## 9616 Multi-Conductor - Computer Cable for EIA RS-232 Applications

For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) tinned copper 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	24	7x32	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: 7.671 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:	87.804 Kg/Km
Min. Bend Radius/Minor Axis:	82.550 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)
98.43

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

Capacitance (pF/m)
180.455

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
82.025

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
22.6389

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

#### Max. Recommended Current:

Current
1.1 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9616 060100	100 FT	6.400 LB	CHROME		BRAID 15 #24 PVC SHLD PVC
9616 0601000	1,000 FT	62.000 LB	CHROME	C	BRAID 15 #24 PVC SHLD PVC
9616 060500	500 FT	31.000 LB	CHROME	C	BRAID 15 #24 PVC SHLD PVC

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**Notes:**

C = CRATE REEL PUT-UP.

Revision Number: 4    Revision Date: 09-11-2012

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