

## 9541 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, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, 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)
PVC - Polyvinyl Chloride	0.254

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Outer Shield Material	Coverage (%)
Beldfoil®	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	7x32	TC - Tinned Copper

#### Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.8128

#### 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: 7.214 mm

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 77.386 Kg/Km

Max. Recommended Pulling Tension: 366.977 N

Min. Bend Radius/Minor Axis: 76.200 mm

## 9541 Multi-Conductor - Computer Cable for EIA RS-232 Applications

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
NEC Articles:	800
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):	04/01/2005
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

#### Suitability

Suitability - Indoor:	Yes
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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)

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)

59.058

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Description	Current
10C Temperature Rise	1.75 Amps per conductor @ 25°C ambient

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9541 060U1000	1,000 FT	54.000 LB	CHROME		15 #24 PVC FS PVC
9541 060U500	500 FT	27.500 LB	CHROME		15 #24 PVC FS PVC
9541 060100	100 FT	5.900 LB	CHROME		15 #24 PVC FS PVC
9541 0601000	1,000 FT	56.000 LB	CHROME	C	15 #24 PVC FS PVC
9541 060500	500 FT	28.000 LB	CHROME	C	15 #24 PVC FS PVC
9541 0605000	5,000 FT	285.000 LB	CHROME		15 #24 PVC FS PVC

#### Notes:

C = CRATE REEL PUT-UP.

## 9541 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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