

## 9502 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) TC conductors, semi-rigid PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain Wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	24	7x32	TC - Tinned Copper

Total Number of Conductors: 4

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.279

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	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	0.813

#### Overall Cable

Overall Nominal Diameter: 5.639 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	Black & White

### Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 97.860 N

Min. Bend Radius/Minor Axis: 57.150 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

## METRIC MEASUREMENT VERSION

### 9502 Multi-Conductor - Computer Cable for EIA RS-232 Applications

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
PMSHA Specification:	SC-7K-182037
Other Specification:	CSA AWM I/II, A

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

#### Suitability

Sunlight Resistance:	Yes
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#### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	82502

#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance (µH/m)
0.623

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
98.43

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

Capacitance (pF/m)
164.05

##### Nominal Velocity of Propagation:

VP (%)
60

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
78.744

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
55.777

##### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

##### Max. Recommended Current:

Current
1.76 Amps per conductor @ 25°C

#### Notes (Overall)

Notes: Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification.

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9502 060U1000	1,000 FT	23.000 LB	CHROME		2 PR #24 PVC FS PVC
9502 060U500	500 FT	12.000 LB	CHROME		2 PR #24 PVC FS PVC
9502 060100	100 FT	2.800 LB	CHROME		2 PR #24 PVC FS PVC
9502 0601000	1,000 FT	30.000 LB	CHROME	C	2 PR #24 PVC FS PVC
9502 06010000	10,000 FT	290.000 LB	CHROME	C Y	4 #24 PVC PVC
9502 060500	500 FT	12.000 LB	CHROME	C	2 PR #24 PVC FS PVC
9502 0605000	5,000 FT	110.000 LB	CHROME	C Z	2 PR #24 PVC FS PVC

##### Notes:

C = CRATE REEL PUT-UP.  
 Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.  
 Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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