

## 9501 Multi-Conductor - Computer Cable for EIA RS-232 Applications



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More information

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### 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
1	24	7x32	TC - Tinned Copper

Total Number of Conductors: 2

#### 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: 3.962 mm

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	17.858 Kg/Km
Max. Recommended Pulling Tension:	48.930 N
Min. Bend Radius/Minor Axis:	44.450 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

## 9501 Multi-Conductor - Computer Cable for EIA RS-232 Applications

CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
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
Other Specification:	CSA AWM I/II A

### Flame Test

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

### Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88641, 82641

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance (µH/m)
0.62339

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
131.24

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

Capacitance (pF/m)
242.794

### 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)
59.058

### Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2464)

### Max. Recommended Current:

Current
2.2 Amps per conductor @ 25°C

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9501 060U1000	305 MT	6.350 KG	CHROME		2 #24 PVC FS PVC
9501 060U500	152 MT	3.402 KG	CHROME		2#24 PVC FS PVC
9501 060100	30 MT	0.907 KG	CHROME		2 #24 PVC FS PVC

## METRIC MEASUREMENT VERSION

### 9501 Multi-Conductor - Computer Cable for EIA RS-232 Applications

9501 0601000	305 MT	6.350 KG	CHROME	C	2 #24 PVC FS PVC
9501 060500	152 MT	3.175 KG	CHROME		2 #24 PVC FS PVC
9501 0605000	1,524 MT	29.484 KG	CHROME		2 #24 PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

## Test Reports

**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

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