

## 9508 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 (continued), PVC jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 8       | 24  | 7x32      | TC - Tinned Copper |

Total Number of Conductors:

16

**Insulation**

Insulation Material:

| Insulation Material                     | Wall Thickness (in.) |
|-----------------------------------------|----------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011                |

**Outer Shield**

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material                        | Coverage (%) |
|-------------------------|------|----------------------------------------------|--------------|
| Beldfoil®               | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.032                     |

**Overall Cable**

Overall Nominal Diameter:

0.324 in.

**Pair**

Pair Color Code Chart:

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |
| 7      | Black & Orange |
| 8      | Red & White    |

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -30°C To +80°C           |
| Non-UL Temperature Rating:        | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                | 56 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 88 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 3.250 in.                |

**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) |

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|                                       |            |
|---------------------------------------|------------|
| CSA Specification:                    | AWM I A    |
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |

## Flame Test

|                   |     |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

30

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

Capacitance (pF/ft)

50

## Nominal Velocity of Propagation:

VP (%)

60

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16.5

## 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             |
|--------------|----------|-------------|--------|-------|-----------------------|
| 9508         | 1 EA     | 3.009 LB    |        |       | RST 5-RKWT 5-228/30 M |
| 9508 060100  | 100 FT   | 6.400 LB    | CHROME |       | 8 PR #24 PVC FS PVC   |
| 9508 0601000 | 1,000 FT | 61.000 LB   | CHROME | C     | 8 PR #24 PVC FS PVC   |
| 9508 060500  | 500 FT   | 31.000 LB   | CHROME | C     | 8 PR #24 PVC FS PVC   |
| 9508 0605000 | 5,000 FT | 290.000 LB  | CHROME |       | 8 PR #24 PVC FS PVC   |

## Notes:

C = CRATE REEL PUT-UP.

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