

9509 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 |
|---------|-----|-----------|--------------------|
| 9 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors: 18

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: 0.334 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 |
| 9 | Red & Green |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -30°C To +80°C |
| Non-UL Temperature Rating: | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight: | 62 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 99 lbs. |
| Min. Bend Radius/Minor Axis: | 3.500 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--------------------------|-----|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |

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| | |
|--|----------------------------|
| AWM Specification: | UL Style 2464 (300 V 80°C) |
| 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 |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|--------------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |

Plenum/Non-Plenum

| | |
|-----------------------|-------|
| Plenum (Y/N): | No |
| Plenum Number: | 82509 |

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & 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 |
|--------------|----------|-------------|--------|-------|---------------------|
| 9509 060100 | 100 FT | 7.000 LB | CHROME | | 9 PR #24 PVC FS PVC |
| 9509 0601000 | 1,000 FT | 69.000 LB | CHROME | C | 9 PR #24 PVC FS PVC |
| 9509 060500 | 500 FT | 34.000 LB | CHROME | C | 9 PR #24 PVC FS PVC |
| 9509 0605000 | 5,000 FT | 325.000 LB | CHROME | | 9 PR #24 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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