

9506 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 |
|---------|-----|-----------|--------------------|
| 6 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors: 12

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 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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.813 |

Overall Cable

Overall Nominal Diameter: 7.341 mm

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 |

Mechanical Characteristics (Overall)

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

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

Bulk Cable Weight: 65.481 Kg/Km

Max. Recommended Pulling Tension: 293.581 N

Min. Bend Radius/Minor Axis: 76.200 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) |
| 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 |
| CSA Flame Test: | FT4 |

Plenum/Non-Plenum

| | |
|----------------|-------|
| Plenum (Y/N): | No |
| Plenum Number: | 82506 |

Electrical Characteristics (Overall)

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) |
| 52.496 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 1.5 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

METRIC MEASUREMENT VERSION

9506 Multi-Conductor - Computer Cable for EIA RS-232 Applications

| | | | | | |
|---------------|----------|------------|--------|---|---------------------|
| 9506 060U1000 | 305 MT | 20.865 KG | CHROME | | 6 PR #24 PVC FS PVC |
| 9506 060U500 | 152 MT | 10.659 KG | CHROME | | 6 PR #24 PVC FS PVC |
| 9506 060100 | 30 MT | 2.313 KG | CHROME | | 6 PR #24 PVC FS PVC |
| 9506 0601000 | 305 MT | 21.319 KG | CHROME | C | 6 PR #24 PVC FS PVC |
| 9506 060500 | 152 MT | 11.340 KG | CHROME | C | 6 PR #24 PVC FS PVC |
| 9506 0605000 | 1,524 MT | 111.131 KG | CHROME | C | 6 PR #24 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

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