

METRIC MEASUREMENT VERSION



9947 Multi-Conductor - Computer Cable for EIA RS-232 Applications

For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) TC conductors, S-R PVC insulation, overall Beldfoil® (100% coverage) + TC braid shield (65% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 15 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 15

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |
| 2 | | Braid | TC - Tinned Copper | 65 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.889 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |
| 5 | Orange |
| 6 | Blue |
| 7 | White/Black |
| 8 | Red/Black |
| 9 | Green/Black |
| 10 | Orange/Black |
| 11 | Blue/Black |
| 12 | Black/White |
| 13 | Red/White |
| 14 | Green/White |
| 15 | Blue/White |

Overall Nominal Diameter: 8.636 mm

Mechanical Characteristics (Overall)

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

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| | |
|------------------------------|--------------------------|
| UL Temperature Rating: | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight: | 116.080 Kg/Km |
| Min. Bend Radius/Minor Axis: | 88.900 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 |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| 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 |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 114.835 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 206.703 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 48.2307 |

Nominal Outer Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 13.4521 |

Max. Operating Voltage - UL:

| |
|-------------------------------|
| Voltage |
| 300 V RMS (UL AWM Style 2464) |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.1 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|---------------------------|
| 9947 060100 | 100 FT | 8.700 LB | CHROME | | BRAID 15 #22 PVC SHLD PVC |
| 9947 0601000 | 1,000 FT | 83.000 LB | CHROME | C | BRAID 15 #22 PVC SHLD PVC |
| 9947 060500 | 500 FT | 42.500 LB | CHROME | C | BRAID 15 #22 PVC SHLD PVC |

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| | | | | | |
|--------------|----------|------------|--------|--|---------------------------|
| 9947 0605000 | 5,000 FT | 415.000 LB | CHROME | | BRAID 15 #22 PVC SHLD PVC |
|--------------|----------|------------|--------|--|---------------------------|

Notes:

C = CRATE REEL PUT-UP.

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