

9947 Non-Paired - Computer Cable for EIA RS-232 Applications

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|  | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Color Code Chart : No. 2 and 2R (ICEA).pdf</p> |
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Conductors | 15 |
| Total Number of Conductors | 15 |
| AWG | 22 |
| Stranding | 7x30 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|---------------------|---|
| Insulation Material | S-R PVC - Semi-Rigid Polyvinyl Chloride |
|---------------------|---|

OVERALL CABLING:

Overall Cabling Color Code Chart :

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

OUTER SHIELD:

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Outer Shield Material Trade Name Beldfoil® (Z-Fold®)

Outer Shield Type Tape/Braid

Outer Shield Material :

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

Outer Shield % Coverage 100 %

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .340 in.

MECHANICAL CHARACTERISTICS:

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

Storage Temperature Range -50°C (cable should not be moved while at this temperature)

UL Temperature Rating 80°C (UL AWM Style 2464)

Bulk Cable Weight 87 lbs/1000 ft.

Min. Bend Radius (Install) 3.4 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification CMG

CEC/C(UL) Specification CMG

AWM Specification UL Style 2464 (300 V 80°C)

FLAME TEST:

UL Flame Test UL1581 Vertical Tray

C(UL) Flame Test FT4

PLENUM/NON-PLENUM:

Plenum (Y/N) N

ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz 35 pF/ft

Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz 63 pF/ft

Nom. Conductor DC Resistance @ 20 Deg. C 14.7 Ohms/1000 ft

Nominal Outer Shield DC Resistance @ 20 Deg. C 4.1 Ohms/1000 ft

Max. Operating Voltage - UL 300 V RMS (UL AWM Style 2464)

Other Maximum Continuous Currents 2.1 Amps per conductor @ 25°C

PUT-UPS AND COLORS:



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| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|------------------------|---------------------|---------------------------|---------------------|--------------|
| 9947 060100 | 15 #22 PVC SHLD PVC | 100 | 8.7 | CHROME | |
| 9947 0601000 | 15 #22 PVC SHLD PVC | 1000 | 83 | CHROME | C |
| 9947 060500 | 15 #22 PVC SHLD PVC | 500 | 42.5 | CHROME | C |

C = CRATE REEL PUT-UP.

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