

9544 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information
please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 30 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors: 30

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.011 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 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 | .040 |

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 |
| 16 | Black/Red |
| 17 | White/Red |
| 18 | Orange/Red |
| 19 | Blue/Red |
| 20 | Red/Green |
| 21 | Orange/Green |
| 22 | Black/White/Red |
| 23 | White/Black/Red |
| 24 | Red/Black/White |
| 25 | Green/Black/White |
| 26 | Orange/Black/White |

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| | |
|----|------------------|
| 27 | Blue/Black/White |
| 28 | Black/Red/Green |
| 29 | White/Red/Green |
| 30 | Red/Black/Green |

Overall Nominal Diameter: 0.380 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -30°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight: | 93 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 165 lbs. |
| Min. Bend Radius/Minor Axis: | 4 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) |
| 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 |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)
55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
25

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
18

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
1.75 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|-------------------|
| 9544 060100 | 100 FT | 10.300 LB | CHROME | | 30 #24 PVC FS PVC |
| 9544 0601000 | 1,000 FT | 102.000 LB | CHROME | C | 30 #24 PVC FS PVC |

ENGLISH MEASUREMENT VERSION

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| | | | | | |
|-------------|--------|-----------|--------|---|-------------------|
| 9544 060500 | 500 FT | 51.500 LB | CHROME | C | 30 #24 PVC FS PVC |
|-------------|--------|-----------|--------|---|-------------------|

Notes:

C = CRATE REEL PUT-UP.

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