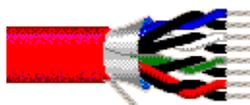


## 89504 Multi-Conductor - Computer Cable for EIA RS-232 Applications



For more Information  
please call

1-800-Belden1



### General Description:

24 AWG stranded (7x32) tinned copper conductors, plenum, FEP insulation, twisted pair, overall Beldfoil shield (100% coverage), 24 AWG stranded TC drain wire, FEP jacket

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 4       | 24  | 7x32      | TC - Tinned Copper |

Total Number of Conductors: 8

#### Insulation

##### Insulation Material:

| Insulation Material                  | Wall Thickness (mm) |
|--------------------------------------|---------------------|
| FEP - Fluorinated Ethylene Propylene | 0.1524              |

#### 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 (mm) |
|--------------------------------------|--------------------------|
| FEP - Fluorinated Ethylene Propylene | 0.3556                   |

#### Overall Cable

Overall Nominal Diameter: 4.877 mm

#### Pair

##### Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black & White |
| 2      | Black & Red   |
| 3      | Black & Green |
| 4      | Black & Blue  |

### Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 38.693 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius/Minor Axis: 50.800 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

## 89504 Multi-Conductor - Computer Cable for EIA RS-232 Applications

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | CMP        |
| CEC/C(UL) Specification:              | CMP        |
| 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:  | NFPA 262 |
| CSA Flame Test: | FT6      |

### Plenum/Non-Plenum

|                    |      |
|--------------------|------|
| Plenum (Y/N):      | Yes  |
| Non-Plenum Number: | 9504 |

## Electrical Characteristics (Overall)

### Nom. Inductance:

|                   |
|-------------------|
| Inductance (µH/m) |
| 0.55777           |

### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 68.901             |

### Nom. Capacitance Cond. to Other Conductor & Shield:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 131.24             |

### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 79.0721             |

### Nominal Outer Shield DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 52.1679             |

### 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           |
|---------------|----------|-------------|-------|-------|---------------------|
| 89504 0021000 | 1,000 FT | 29.000 LB   | RED   | C     | 4 PR #24 FS FEP FEP |
| 89504 002500  | 500 FT   | 14.500 LB   | RED   | C     | 4 PR #24 FS FEP FEP |

### Notes:

C = CRATE REEL PUT-UP.

## 89504 Multi-Conductor - Computer Cable for EIA RS-232 Applications

Revision Number: 2    Revision Date: 09-04-2012

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