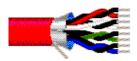
Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



89505 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.

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Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|---------------------------|
| 5 | 24 | 7x32 | TC - Tinned Copper |

Total Number of Conductors:

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: 5.004 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|----------------|
| 1 | Black & White |
| 2 | Black & Red |
| 3 | Black & Green |
| 4 | Black & Blue |
| 5 | Black & Yellow |

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -70°C To +200°C | | |
|-----------------------------------|-----------------|--|--|
| Bulk Cable Weight: | 44.646 Kg/Km | | |
| Max. Recommended Pulling Tension: | 271.340 N | | |
| Min. Bend Radius/Minor Axis: | 50.800 mm | | |

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| Ap | plicable Specifications and Agency Com | ipliance (Overall) | |
|-----|---|--------------------|--|
| Ap | olicable Standards & Environmental Programs | | |
| | 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 | |
| Fla | ame Test | | |
| | UL Flame Test: | NFPA 262 | |
| | CSA Flame Test: | FT6 | |
| Ple | enum/Non-Plenum | | |

Yes

9505

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.55777

Plenum (Y/N):

Non-Plenum Number:

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) 49.215

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 |
|---------------|----------|-------------|-------|-------|---------------------|
| 89505 002100 | 100 FT | 4.900 LB | RED | С | 5 PR #24 FEP FS FEP |
| 89505 0021000 | 1,000 FT | 33.000 LB | RED | С | 5 PR #24 FEP FS FEP |

Notes:

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C = CRATE REEL PUT-UP.

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

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