

For more Information
please call

1-800-Belden1



Description:

22 AWG stranded (19x34) silver-plated copper conductors, cabled and color-coded, extruded TFE Teflon® insulation, silver-plated copper braid shield (85% coverage), TFE teflon tape-wrapped jacket

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|----------------------------|
| 1 | 22 | 19x34 | SPC - Silver Plated Copper |

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | Wall Thickness (mm) |
|-----------------------|---------------------------|---------------------|
| Teflon® | TFE - Tetrafluoroethylene | 0.254 |

Insulation Resistance: 100,000 Megaohms/1000 ft. @ 500 V DC.

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|----------------------------|--------------|
| Braid | SPC - Silver Plated Copper | 85 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material | Nom. Wall Thickness (mm) |
|-------------------------|---------------------------|--------------------------|
| Teflon® | TFE - Tetrafluoroethylene | 0.254 |

Overall Cabling

Overall Cabling Color Code Chart:

| Color |
|-------|
| White |

Overall Nominal Diameter: 2.311 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -65°C To +200°C

Bulk Cable Weight: 13.245 Kg/Km

Max. Recommended Pulling Tension: 99.195 N

Min. Bend Radius (Install)/Minor Axis: 22.225 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

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): 01/01/2005

EU Directive 2002/96/EC (WEEE): Yes

METRIC MEASUREMENT VERSION

83305E Multi-Conductor - MIL-W-16878/4 (Type E)

| | |
|--|--|
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Military Specification: | MIL-W-16878/4 (Type E, except stranding, insulated conductors) |

Flame Test

| | |
|-----------------------|-------------------------|
| UL Flame Test: | UL1685 UL Loading, VW-1 |
|-----------------------|-------------------------|

Plenum/Non-Plenum

| | |
|----------------------|----|
| Plenum (Y/N): | No |
|----------------------|----|

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------------|
| Inductance (µH/m) |
| 0.39372 |

Nom. Capacitance Conductor to Shield:

| |
|---------------------------|
| Capacitance (pF/m) |
| 189.97 |

Nom. Conductor DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 46.9183 |

Nominal Outer Shield DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 37.0753 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 600 V RMS |

Max. Recommended Current:

| |
|------------------------------|
| Current |
| 5 Amps per conductor at 25°C |

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|--------|-------------|-------|-------|------------------------|
| 83305E 009100 | 30 MT | 0.454 KG | WHITE | E | 1 #22 TFE BRD TFE TAPE |
| 83305E 0091000 | 305 MT | 4.536 KG | WHITE | E | 1 #22 TFE BRD TFE TAPE |

Notes:

E = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'

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83305E Multi-Conductor - MIL-W-16878/4 (Type E)

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