

9962 Multi-Conductor - 2 Conductors Cabled-Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (19x32) tinned copper conductors, conductors cabled, nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 20 | 19x32 | TC - Tinned Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Layer # | Insulation Material | Wall Thickness (mm) |
|---------|--------------------------|---------------------|
| 1 | PVC - Polyvinyl Chloride | 0.279 |
| 2 | Nylon | 0.076 |

Insulation Resistance: 500 megohms/1000 ft. @ 500 VDC

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper | 90 |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.406 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | White |
| 2 | Black |

Overall Nominal Diameter: 4.877 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 32.740 Kg/Km

Max. Recommended Pulling Tension: 133.446 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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| | |
|---------------------------------------|---------------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| 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 |
| Military Specification: | MIL-W-16878E/17 (insulated conductor) |
| Other Specification: | NEMA HP3 |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|-------------------|
| Inductance (µH/m) |
| 0.439654 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 173.893 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 298.571 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 29.8571 |

Nominal Outer Shield DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 22.3108 |

Max. Operating Voltage - Non-UL:

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

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 3.8 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|--------|-------------|-------|-------|-----------------------|
| 9962 009100 | 30 MT | 1.361 KG | WHITE | | 2 #20 PVC/NY SHLD PVC |
| 9962 0091000 | 305 MT | 10.886 KG | WHITE | C | 2 #20 PVC/NY SHLD PVC |
| 9962 009500 | 152 MT | 5.897 KG | WHITE | | 2 #20 PVC/NY SHLD PVC |

Notes:

C = CRATE REEL PUT-UP.

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