

## 9965 Multi-Conductor - Communication and Instrumentation Cable

 For more Information  
 please call

1-800-Belden1

**Description:**

22 AWG stranded (19x34) tinned copper conductors, clear nylon skin over insulation, PVC insulation, tinned copper braid shield (90% coverage) PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 1            | 22  | 19x34     | TC - Tinned Copper |

**Insulation****Insulation Material:**

| Layer # | Insulation Material      | Wall Thickness (in.) |
|---------|--------------------------|----------------------|
| 1       | PVC - Polyvinyl Chloride | .010                 |
| 2       | Nylon                    | .003                 |

**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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .010                      |

**Overall Cable****Overall Cabling Color Code Chart:**

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

**Overall Nominal Diameter:**

0.100 in.

**Mechanical Characteristics (Overall)****Operating Temperature Range:** -20°C To +105°C**UL Temperature Rating:** 105°C**Bulk Cable Weight:** 10.100 lbs/1000 ft.**Max. Recommended Pulling Tension:** 9.500 lbs.**Min. Bend Radius (Install)/Minor Axis:** 1 in.**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):** 10/01/2005

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|                                   |                                       |
|-----------------------------------|---------------------------------------|
| EU Directive 2002/96/EC (WEEE):   | Yes                                   |
| EU Directive 2003/11/EC (BFR):    | Yes                                   |
| CA Prop 65 (CJ for Wire & Cable): | Yes                                   |
| MIL Order #39 (China RoHS):       | Yes                                   |
| Military Specification:           | MIL-W-16878E/17 (insulated conductor) |

## Flame Test

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

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Shield:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 100                 |

## Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 14.6                     |

## Nominal Outer Shield DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 11.7                     |

## Max. Operating Voltage - UL:

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

## Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 2.8 Amps per conductor @ 25°C |

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc             |
|--------------|----------|-------------|-------|-------|-----------------------|
| 9965 0091000 | 1,000 FT | 15.000 LB   | WHITE |       | 1 #22 PVC/NY SHLD PVC |

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