Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION



5522FL Multi-Conductor - Commercial Applications

For more Information please call

1-800-Belden1



Description:

22 AWG bare copper conductors, PVC insulation, conductors cabled together, Beldfoil® shield and drain wire, PVC jacket with ripcord, sequential footage marking every two feet.

| | stage marking every two leet. | | | | |
|--|---|--|--|--|--|
| Usage (Overall) | | | | | |
| Suitable Applications: | Fire Protection, Alarm, Signal, Monitor/Detection, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits | | | | |
| Physical Characteristics (Overall) | | | | | |
| Conductor AWG: | | | | | |
| # Conductors AWG Stranding Conductor Material | | | | | |
| 4 22 Solid BC - Bare Copper | | | | | |
| Total Number of Conductors: | 4 | | | | |
| Insulation Insulation Material: | | | | | |
| Insulation Material Wall Thickness (mm) | | | | | |
| PVC - Polyvinyl Chloride 0.254 | | | | | |
| Outer Shield Outer Shield Material: | | | | | |
| Outer Shield Trade Name Outer Shield Material Beldfoil® Aluminum Foil-Polyester Ta | Coverage (%) ape 100 | | | | |
| Outer Shield Drain Wire AWG: | | | | | |
| StrandingDrain Wire Conductor MaterialSolidTC - Tinned Copper | | | | | |
| Outer Jacket Outer Jacket Material: | | | | | |
| Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 0.381 | | | | | |
| Outer Jacket Ripcord: | Yes | | | | |
| Overall Cable | | | | | |
| Overall Cabling Lay Length & Direction: Length (mm) Twists (twist/m) 57.149775 17.3893 | | | | | |
| Overall Cabling Color Code Chart: | | | | | |
| Number Color 1 Black 2 Red 3 Brown 4 Blue | | | | | |
| Overall Nominal Diameter: | 3.683 mm | | | | |
| Mechanical Characteristics (Overall) | | | | | |
| | | | | | |

-20°C To +75°C

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

Current

2.2 Amps per conductor @ 25°C

5522FL Multi-Conductor - Commercial Applications

| UL Temperature Rating: | 75°C | | | | |
|---|--------------------------------|--|--|--|--|
| Bulk Cable Weight: | 26.044 Kg/Km | | | | |
| Max. Recommended Pulling Tension: | 173.480 N | | | | |
| Min. Bend Radius/Minor Axis: | 38.100 mm | | | | |
| pplicable Specifications and Agency C | ompliance (Overall) | | | | |
| opplicable Standards & Environmental Prog | | | | | |
| NEC/(UL) Specification: | FPLR | | | | |
| NEC Articles: | 760 | | | | |
| 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 | | | | |
| Other Specification: | California State Fire Marshall | | | | |
| lame Test | | | | | |
| UL Flame Test: | UL1666 Vertical Shaft | | | | |
| CSA Flame Test: | FT4 | | | | |
| Plenum/Non-Plenum | | | | | |
| Plenum (Y/N): | No | | | | |
| Plenum Number: | 6522FL | | | | |
| ectrical Characteristics (Overall) | | | | | |
| lom. Inductance: | | | | | |
| Inductance (μH/m) 0.59058 | | | | | |
| lom. Capacitance Conductor to Conductor: | | | | | |
| Capacitance (pF/m) 154.207 | | | | | |
| om. Capacitance Cond. to Other Conductor & Sl | hield: | | | | |
| Capacitance (pF/m) 277.573 | | | | | |
| lom. Conductor DC Resistance: DCR @ 20°C (Ohm/km) | | | | | |
| 51.5117 | | | | | |
| Ominal Outer Shield DC Resistance: DCR @ 20°C (Ohm/km) 39.0439 | | | | | |
| lax. Operating Voltage - UL: Voltage 300 V RMS lax. Recommended Current: | | | | | |



5522FL Multi-Conductor - Commercial Applications

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|--------|-------------|-------|-------|--------------------|
| 5522FL 002U1000 | 305 MT | 8.618 KG | RED | | 4 #22 PVC FS FRPVC |
| 5522FL 0021000 | 305 MT | 8.618 KG | RED | | 4 #22 PVC FS FRPVC |

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