

5220FN Multi-Conductor - NPLF Systems - 2 Conductors Cabled



For more Information
please call

1-800-Belden1

**Description:**

16 AWG bare copper conductors, PVC/Nylon insulation, cabled together, PVC jacket with ripcord, sequential footage marking every two feet.

Usage (Overall)**Suitable Applications:**

Fire Alarm, Audio Circuits, Control Circuits, Initiating Circuits, Notification Circuits, Non-Power Limited Signaling Cable

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 16 | Solid | BC - Bare Copper |

Insulation**Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon | .021 |

Outer Shield**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|--|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape w/Shorting Fold | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 20 | 7x28 | TC - Tinned Copper |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .037 |

Outer Jacket Ripcord:

Yes

Overall Cable**Overall Cabling Lay Length & Direction:**

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 2.75 | 4.4 |

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

Overall Nominal Diameter:

0.266 in.

Mechanical Characteristics (Overall)**Operating Temperature Range:**

-20°C To +75°C

UL Temperature Rating:

75°C

Bulk Cable Weight:

39.700 lbs/1000 ft.

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| | |
|--|-----------|
| Max. Recommended Pulling Tension: | 75 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.500 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | NPLF |
| 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): | 07/01/2005 |
| 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 |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Inductance:**

| |
|--------------------|
| Inductance (μH/ft) |
| .19 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 48 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 86.4 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 4.0 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 7.2 |

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 150 V RMS |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 6.3 Amps per conductor @ 25°C |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

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| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|------------------------|
| 5220FN 0021000 | 1,000 FT | 45.000 LB | RED | C | 2 #16 PVC/NYL FS FRPVC |

Notes:

C = CRATE REEL PUT-UP.

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