

89418 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



Description:

18 AWG stranded (19x30) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4 | 18 | 19x30 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|--------------------------------------|----------------------|
| FEP - Fluorinated Ethylene Propylene | .007 |

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 | 19x32 | TC | Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------------------|---------------------------|
| FEP - Fluorinated Ethylene Propylene | .014 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |

Overall Nominal Diameter: 0.173 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 38.800 lbs/1000 ft.

Max. Recommended Pulling Tension: 114 lbs.

Min. Bend Radius (Install)/Minor Axis: 1.750 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

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| | |
|---------------------------------------|------------|
| 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 |

Flame Test

| | |
|-------------------|----------|
| UL Flame Test: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Suitability

| | |
|------------------------|-----|
| Suitability - Outdoor: | Yes |
| Suitability - Burial: | Yes |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 9418 |

Electrical Characteristics (Overall)**Nom. Inductance:**Inductance ($\mu\text{H}/\text{ft}$)

.15

Nom. Capacitance Conductor to Conductor:Capacitance (pF/ft)

30

Nom. Capacitance Cond. to Other Conductor & Shield:Capacitance (pF/ft)

57

Nominal Velocity of Propagation:

VP (%)

69

Nominal Delay:Delay (ns/ft)

1.47

Nom. Conductor DC Resistance:DCR @ 20°C ($\text{Ohm}/1000 \text{ ft}$)

6.4

Nominal Outer Shield DC Resistance:DCR @ 20°C ($\text{Ohm}/1000 \text{ ft}$)

7.9

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

4.3 Amps per conductor @ 25°C

Notes (Overall)

Notes: Chemical Resistance: Gasoline, Oil

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Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------|
| 89418 002100 | 100 FT | 5.400 LB | RED | C | 4#18 FEP FS FEP |
| 89418 0021000 | 1,000 FT | 37.000 LB | RED | C | 4#18 FEP FS FEP |
| 89418 002500 | 500 FT | 17.500 LB | RED | C | 4#18 FEP FS FEP |

Notes:

C = CRATE REEL PUT-UP.

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