

## 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

Total Number of Conductors: 4

#### 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: 35 lbs/1000 ft.

Max. Recommended Pulling Tension: 114 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

## 89418 Multi-Conductor - Audio, Control and Instrumentation Cable

CEC/C(UL) Specification:	CMP
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
CSA 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 (µH/ft)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

### Nominal Velocity of Propagation:

VP (%)

### Nominal Delay:

Delay (ns/ft)

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

### Max. Operating Voltage - UL:

Voltage

### Max. Recommended Current:

Current

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### Notes (Overall)

**Notes:** Chemical Resistance: Gasoline, Oil

### 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	19.500 LB	RED	C	4#18 FEP FS FEP

**Notes:**

C = CRATE REEL PUT-UP.

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