

## 9418 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, PVC 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.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	.011

**Outer Shield****Outer Shield Material:**

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

**Outer Shield Drain Wire AWG:**

AWG	Stranding	Drain Wire Conductor Material
20	Stranded	TC - Tinned Copper

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.035

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

Length (in.)	Direction	Twists (twist/ft)
2.000	Left Hand	6.000

**Overall Cabling Color Code Chart:**

Number	Color
1	Red
2	Green
3	Black
4	White

Overall Nominal Diameter: 0.245 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	42 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.

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Min. Bend Radius/Minor Axis: 2.500 in.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: CMG

NEC Articles: 800

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

EU Directive 2011/65/EU (ROHS II): Yes

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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1685 FT4 Loading

CSA Flame Test: FT4

## Suitability

Suitability - Indoor: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

Plenum Number: 89418 or 82418

## Electrical Characteristics (Overall)

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

40.000

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

Capacitance (pF/ft)

72.000

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.5

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.5

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Description Current

10C Temperature rise 5 Amps per conductor @ 25°C ambient

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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## 9418 Multi-Conductor - Audio, Control and Instrumentation Cable

9418 060U1000	1,000 FT	44.000 LB	CHROME		4 #18 PVC FS FRPVC
9418 060U500	500 FT	22.500 LB	CHROME		4 #18 PVC FS FRPVC
9418 060100	100 FT	5.000 LB	CHROME		4 #18 PVC FS FRPVC
9418 0601000	1,000 FT	45.000 LB	CHROME	C	4 #18 PVC FS FRPVC
9418 06010000	10,000 FT	490.000 LB	CHROME	C Y	4 #18 PVC FS FRPVC
9418 06010001	10,000 FT	490.000 LB	CHROME	C Y	4 #18 PVC FS FRPVC
9418 06013000	13,000 FT	611.000 LB	CHROME	C Y	4 #18 PVC FS FRPVC
9418 060500	500 FT	23.000 LB	CHROME	C	4 #18 PVC FS FRPVC
9418 0605000	5,000 FT	220.000 LB	CHROME	C Z	4 #18 PVC FS FRPVC

**Notes:**

C = CRATE REEL PUT-UP.

Y = FINAL PUT-UP LENGTH MAY VARY -10% TO +20% FROM LENGTH SHOWN.MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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