# **Detailed Specifications & Technical Data**



METRIC MEASUREMENT VERSION

# 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.

· · · · · · · · · ·						
nysical Characteristi	cs (Overall)					
Conductor AWG:						
-	nding Conductor Material					
4 18 19x3	0 TC - Tinned Copper					
Total Number of Conde	uctors: 4					
sulation						
Insulation Material:						
Insulation Material	Wall Thickness (mm	<u>)</u>				
S-R PVC - Semi-Rigid Poly						
uter Shield Outer Shield Material:						
	Type Outer Shield Material	Coverage (%)				
Beldfoil® (Z-Fold®)	Tape Aluminum Foil-Polyester Tap					
Outer Shield Drain Wire	AWG:					
AWG Stranding Drain Wire Conductor Material						
20 Stranded TC - Tin						
Verall Cable Overall Cabling Lay Length (mm) Direction 1 50.800 Left Hand 1 Overall Cabling Color Co Number Color 1 Red 2 Green 3 Black 4 White	<b>Fwists (twist/m)</b> 19.686					
Overall Nominal Diame	eter: 6.2	223 mm				
echanical Characteri	stics (Overall)					
Operating Temperature		0°C To +80°C				
UL Temperature Rating:		0°C (UL AWM Style 2464)				
Bulk Cable Weight:		2.504 Kg/Km				
Max. Recommended P	ulling Tension: 44	14.820 N				
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#### Min. Bend Radius/Minor Axis: 63.500 mm Applicable Specifications and Agency Compliance (Overall) **Applicable Standards & 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 & 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/m)

131.240

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

Capacitance (pF/m) 236.232

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

21.3265

# Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

27.8885

### 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 #

Ship Weight Color Notes

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## METRIC MEASUREMENT VERSION

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9418 060U1000	1,000 FT	45.000 LB	CHROME		4 #18 PVC FS FRPVC
9418 060U500	500 FT	23.500 LB	CHROME		4 #18 PVC FS FRPVC
9418 060100	100 FT	5.100 LB	CHROME		4 #18 PVC FS FRPVC
9418 0601000	1,000 FT	45.000 LB	CHROME	С	4 #18 PVC FS FRPVC
9418 06010000	10,000 FT	500.000 LB	CHROME	CY	4 #18 PVC FS FRPVC
9418 06013000	13,000 FT	585.000 LB	CHROME	CY	4 #18 PVC FS FRPVC
9418 060500	500 FT	23.500 LB	CHROME	С	4 #18 PVC FS FRPVC
9418 0605000	5,000 FT	230.000 LB	CHROME	CZ	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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