Detailed Specifications & Technical Data

ENGLISH 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.

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 Cov Beldfoil® (Z-Fold®) Tape Aluminum Foil-Polyester Tape 100	rerage (%)
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.
Machanical Characteristics (Overall)	
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.
Min. Bend Radius/Minor Axis:	2.500 in.
MIII. Deliu Raulus/MIIIOI AXIS.	2.000 III.
Applicable Specifications and Agency Compliance (Ov	rerall)
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)

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	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			
Fla	me Test				
	UL Flame Test:	UL1685 FT4 Loading			
	CSA Flame Test:	FT4			
Su	Suitability				
	Suitability - Indoor:	Yes			
Ple	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 & Shield:

Capacitance (pF/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 300 V RMS

Max. Recommended Current:

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

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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	С	4 #18 PVC FS FRPVC
9418 06010000	10,000 FT	490.000 LB	CHROME	CY	4 #18 PVC FS FRPVC
9418 06013000	13,000 FT	611.000 LB	CHROME	CY	4 #18 PVC FS FRPVC
9418 060500	500 FT	23.000 LB	CHROME	С	4 #18 PVC FS FRPVC
9418 0605000	5,000 FT	220.000 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.

Revision Number: 4 Revision Date: 08-02-2013

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