

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 (mm)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.2794

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 (mm)
PVC - Polyvinyl Chloride	0.889

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

Length (mm)	Direction	Twists (twist/m)
50.800	Left Hand	19.686

Overall Cabling Color Code Chart:

Number	Color
1	Red
2	Green
3	Black
4	White

Overall Nominal Diameter: 6.223 mm

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	62.504 Kg/Km
Max. Recommended Pulling Tension:	444.820 N

9418 Multi-Conductor - Audio, Control and Instrumentation Cable

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 #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

METRIC MEASUREMENT VERSION

9418 Multi-Conductor - Audio, Control and Instrumentation Cable

9418 060U1000	305 MT	19.958 KG	CHROME		4 #18 PVC FS FRPVC
9418 060U500	152 MT	10.206 KG	CHROME		4 #18 PVC FS FRPVC
9418 060100	30 MT	2.268 KG	CHROME		4 #18 PVC FS FRPVC
9418 0601000	305 MT	20.412 KG	CHROME	C	4 #18 PVC FS FRPVC
9418 06010000	3,048 MT	222.261 KG	CHROME	C Y	4 #18 PVC FS FRPVC
9418 06010001	3,048 MT	222.261 KG	CHROME	C Y	4 #18 PVC FS FRPVC
9418 06013000	3,962 MT	277.146 KG	CHROME	C Y	4 #18 PVC FS FRPVC
9418 060500	152 MT	10.433 KG	CHROME	C	4 #18 PVC FS FRPVC
9418 0605000	1,524 MT	99.791 KG	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.

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

© 2013 Belden, Inc.
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.