

9418 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



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

Insulation:

Insulation Material

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011

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	0.035

Overall Cabling:

Overall Cabling Lay Length & Direction

Length (in.)
2.000

Overall Cabling Color Code Chart

Number	Color
1	Red
2	Green
3	Black
4	White

Overall Nominal Diameter: .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:	48.300 lbs/1000 ft.
Max. Recommended Pulling Tension:	100 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.500 in.

Applicable Specifications and Agency Compliance (Overall):

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Applicable Standards:

NEC/(UL) Specification	CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy)	04/01/2005

Flame Test:

UL Flame Test	UL1685 FT4 Loading
C(UL) Flame Test	FT4

Plenum/Non-Plenum:

Plenum (Y/N)	No
Plenum Number	89418 or 82418

Electrical Characteristics (Overall):

Nom. Capacitance Conductor to Conductor

Capacitance (pF/ft)
70.000

Nom. Capacitance Cond. to Other Conductor & Shield

Capacitance (pF/ft)
120.000

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
6.500

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
8.500

Max. Operating Voltage - UL

Voltage
300 V RMS (UL AWM Style 2464)

Max. Recommended Current

Current
5 Amps per conductor @ 25°C

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9418 060100	100 FT	5.000 LB	CHROME		4 #18 PVC FS FRPVC CHR
9418 0601000	1,000 FT	45.000 LB	CHROME	C	4 #18 PVC FS FRPVC CHR
9418 06010000	10,000 FT	490.000 LB	CHROME	C Y	4 #18 PVC FS FRPVC CHR
9418 060500	500 FT	23.000 LB	CHROME	C	4 #18 PVC FS FRPVC CHR
9418 060U1000	1,000 FT	44.000 LB	CHROME		4 #18 PVC FS FRPVC CHR
9418 060U500	500 FT	22.500 LB	CHROME		4 #18 PVC FS FRPVC CHR

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'.

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