





9418 Non-Paired - Audio, Control and Instrumentation Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Conductors	4
Total Number of Conductors	4
AWG	18
Stranding	19x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	S-R PVC - Semi-Rigid Polyvinyl Chloride
Nom. Insulation Wall Thickness	.010 in.

OVERALL CABLING:

Overall Cabling Lay Length	2.0 in.
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Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Red	3	Black
2	Green	4	White

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil® (Z-Fold®)
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %
Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	Stranded
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.035 in.



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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.245 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight	48.3 lbs/1000 ft.
Max. Recommended Pulling Tension	100 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

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)	N
Plenum Number	89418 or 82418

ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	70 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	120 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	8.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2464)
Max. Recommended Current	5 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9418 060100	4 #18 PVC FS FRPVC	100	5.3	CHROME	
9418 0601000	4 #18 PVC FS FRPVC	1000	49	CHROME	C



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9418 06010000	4 #18 PVC FS FRPVC	10000	520	CHROME	C Y
9418 060500	4 #18 PVC FS FRPVC	500	24.5	CHROME	C
9418 060U1000	4 #18 PVC FS FRPVC	U1000	47	CHROME	
9418 060U500	4 #18 PVC FS FRPVC	U500	25	CHROME	

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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