



8618 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:

16 AWG stranded (19x29) tinned copper conductors, conductors cabled, polyethylene insulation, overall Beldfoil® shield (100% coverage), 18 AWG stranded tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	3
Total Number of Conductors	3
AWG	16
Stranding	19x29
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	.031 in.

OVERALL CABLING:

Overall Cabling Lay Length	2 in.
Overall Cabling Twists/ft.	6

Overall Cabling Color Code Chart :

Number	Color	Number	Color
1	Black	3	Clear
2	Red		

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	18
Outer Shield Drain Wire Stranding	16x30
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:



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Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.031 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.327 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2107)
Bulk Cable Weight	58.6 lbs/1000 ft.
Max. Recommended Pulling Tension	110 lbs.
Min. Bend Radius (Install)	3.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CL3
AWM Specification	UL Style 2107 (300 V 60°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test	UL1685 UL Loading
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Capacitance Conductor to Conductor @ 1 KHz	26 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	50 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	4.8 Ohms/1000 ft
Max. Operating Voltage - UL	600 V RMS (UL AWM Style 2107), 300 V RMS (CL3)
Max. Recommended Current	7 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8618 0601000	3 #16 LDPE FS PVC	1000	67	CHROME	C
8618 060500	3 #16 LDPE FS PVC	500	33	CHROME	C
8618 060U500	3 #16 LDPE FS PVC	U500	32	CHROME	

C = CRATE REEL PUT-UP.



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