

Detailed Specifications & Technical Data



8760 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 (16x30) tinned copper conductors, twisted pair, polyethylene insulation, overall 100% Beldfoil® shield, 20 AWG stranded tinned copper drain wire, PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	18
Stranding	16x30
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
Nom. Insulation Wall Thickness	.019 in.
Lay Length	1.5 in.
Twists/ft.	8

Pair Color Code Chart :

Number	Color
1	Black & Clear

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape w/Shorting Fold
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE :

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
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Outer Jacket Nominal Wall Thickness	.028 in.
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.222 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
UL Temperature Rating	60°C (UL AWM Style 2092)
Bulk Cable Weight	26.6 lbs/1000 ft.
Max. Recommended Pulling Tension	62 lbs.
Min. Bend Radius (Install)	2.25 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2092 (300 V 60°C)

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	88760, 87760 or 82760

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	60 Ohms
Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	24 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	44 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	6.5 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2092)
Max. Recommended Current	5.2 Amps per conductor @ 25°C

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8760 0601000	2 #18 LDPE SH PVC	1000	26	CHROME	C
8760 06010000	2 #18 LDPE SH PVC	10000	260	CHROME	C Y
8760 0602000	2 #18 LDPE SH PVC	2000	50	CHROME	C
8760 060250	2 #18 LDPE SH PVC	250	6.75	CHROME	

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8760 060500	2 #18 LDPE SH PVC	500	13	CHROME	C
8760 0605000	2 #18 LDPE SH PVC	5000	135	CHROME	C
8760 060U1000	2 #18 LDPE SH PVC	U1000	26	CHROME	
8760 060U500	2 #18 LDPE SH PVC	U500	13	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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