

**8728 Paired - Special Audio, Communication and Instrumentation Cable**

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

22 AWG stranded (7x30) TC conductors, polypropylene insulation, cabled in pairs, overall Beldfoil® shield (100% coverage), 24 AWG stranded TC drain wires, PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	2
Total Number of Conductors	4
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	TC - Tinned Copper

**INSULATION:**

Insulation Material	PP - Polypropylene
Nom. Insulation Wall Thickness	.010 in.
Insulation Diameter	.050 in.
Lay Length	1.25 in.
Twists/ft.	9.6

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & Red	2	White & Green

**INNER SHIELD:**

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape/Tape

Inner Shield Material :

Layer Number/Description	Material Trade Name	Type	Material	% Coverage (%)	Stranding	Diameter (in.)	Conductor Material
Layer 1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100			
Layer 2		Tape	Polyester Tape	100			

Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	24
Inner Shield Drain Wire Stranding	Stranded

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Inner Shield Drain Wire Conductor Material	TC - Tinned Copper
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**OUTER SHIELD:**

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

**OUTER SHIELD DRAIN WIRE :**

Outer Shield Drain Wire AWG	24
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	.028 in.

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.215 in.
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**MECHANICAL CHARACTERISTICS:**

Operating Temperature Range	-20°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2717)
Bulk Cable Weight	35.6 lbs/1000 ft.
Max. Recommended Pulling Tension	36.4 lbs.
Min. Bend Radius (Install)	1.25 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	CM
NEC Articles	800
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2717 (300 V 80°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. Characteristic Impedance	50 Ohms
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Nom. Inductance	.18 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	35 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	62 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	17 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	16.6 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 2717)
Max. Recommended Current	2.3 Amps per conductor @ 25°C

**NOTES:**

Notes	Each pair Beldfoil® shielded with individual drain wire plus a polyester film over each shield.
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**PUT-UPS AND COLORS:**

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
8728 0601000	2 #22 SHPR PP PVC	1000	31	CHROME	C
8728 060500	2#22 SHPR PP PVC	500	15.5	CHROME	C
8728 060U1000	2 #22 SHPR PP PVC	U1000	30	CHROME	
8728 060U500	2#22 SHPR PP PVC	U500	15.5	CHROME	

C = CRATE REEL PUT-UP.

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