

8728 Multi-Conductor - Special Audio, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General 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 (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
2	22	7x30	TC - Tinned Copper	0.762

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
PP - Polypropylene	1.270

Inner Shield

Inner Shield Material:

Layer #	Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Layer 1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
Layer 2		Tape	Polyester Tape	100

Inner Shield Drain Wire AWG:

AWG
24

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.7112

Overall Cable

Overall Nominal Diameter: 5.461 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red
2	White & Green

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Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2717)
Bulk Cable Weight:	41.670 Kg/Km
Max. Recommended Pulling Tension:	161.914 N
Min. Bend Radius/Minor Axis:	57.150 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
NEC Articles:	800
CEC/C(UL) Specification:	CM
AWM Specification:	UL Style 2717 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	UL1685 UL Loading
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

50

Nom. Inductance:

Inductance (µH/m)

0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

114.835

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

203.422

Nominal Velocity of Propagation:

VP (%)

66

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

55.777

METRIC MEASUREMENT VERSION

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Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 54.465 Ohm/km

Max. Operating Voltage - UL:

Voltage
300 V RMS (UL AWM Style 2717)

Max. Recommended Current:

Current
2.3 Amps per conductor @ 25°C

Notes (Overall)

Notes: Each pair Beldfoil® shielded with individual drain wire plus a polyester film over each shield.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8728 060U1000	305 MT	13.608 KG	CHROME		2 #22 SHPR PP PVC
8728 060U500	152 MT	7.031 KG	CHROME		2 #22 SHPR PP PVC
8728 0601000	305 MT	14.061 KG	CHROME	C	2 #22 SHPR PP PVC
8728 060500	152 MT	7.031 KG	CHROME	C	2 #22 SHPR PP PVC
8728 0605000	1,524 MT	65.771 KG	CHROME	C	2 #22 SHPR PP PVC

Notes:
C = CRATE REEL PUT-UP.

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