

8725 Multi-Conductor - Special Audio, Communication and Instrumentation Cable

For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (7x28) TC conductors, polypropylene insulation, conductors cabled, Beldfoil® shield as noted (100% coverage), 20 or 22 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	20	7x28	TC - Tinned Copper

Total Number of Conductors: 8

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PP - Polypropylene	0.381

Insulation Resistance: 50, 000 megaohms/1000ft. @ 500 V DC

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG	Stranding	Conductor Material
22	Stranded	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.762

Overall Cable

Overall Nominal Diameter: 8.534 mm

Pair

Pair Color Code Chart:

Number	Color
1	Red & Black
2	Green & White
3	White/Red & White/Black
4	White/Green & White/Yellow

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 102.686 Kg/Km

Max. Recommended Pulling Tension: 498.198 N

Min. Bend Radius/Minor Axis: 85.725 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
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

Other Flame Test:	VW-1
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Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)
56

Nom. Inductance:

Inductance ($\mu\text{H}/\text{m}$)
0.62339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
88.587

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
160.769

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
35.3692

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 41.144 Ohm/km

Max. Operating Voltage - UL:

Voltage
400 V RMS

Max. Recommended Current:

Current
3.9 Amps per conductor @ 25°C

Notes (Overall)

Notes: Four groups of two conductors with drain wires, each group individually Beldfoil® shielded with polyester tape wrap. 22 AWG drain wire.

Put Ups and Colors:

METRIC MEASUREMENT VERSION

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
8725 0601000	1,000 FT	74.000 LB	CHROME	C	4 SH PR #20 PP PVC
8725 060500	500 FT	38.000 LB	CHROME	C	4 SH PR #20 PP PVC

Notes:

C = CRATE REEL PUT-UP.

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