

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

83602 Multi-Conductor - Audio, Control and Instrumentation Cable, 2 Cond Cabled



For more Information
please call

1-800-Belden1



General Description:

20 AWG stranded (7x28) TC conductors, conductors cabled, plenum, FEP insulation, overall Beldfoil® (100% coverage) + TC braid shield (85% coverage), FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
2	20	7x28	TC - Tinned Copper

Total Number of Conductors:

2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.1524

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
FEP - Fluorinated Ethylene Propylene	0.3556

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter:

3.988 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -70°C To +200°C

Bulk Cable Weight: 32.740 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius/Minor Axis: 44.450 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMP

CEC/C(UL) Specification: CMP

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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:	NFPA 262
CSA Flame Test:	FT6

Plenum/Non-Plenum

Plenum (Y/N):	Yes
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
144.364

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
262.480

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
28.2166

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
23.6232

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
3.8 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83602 0021000	305 MT	10.886 KG	RED	C	2#20 FEP SH FEP
83602 002500	152 MT	5.670 KG	RED	C	2#20 FEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

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