

# Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

**BELDEN**  
SENDING ALL THE RIGHT SIGNALS

## 83652 Multi-Conductor - Audio, Control and Instrumentation Cable, 2 Conductors Cabld



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (19x30) 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	18	19x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.007

#### 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 (in.)
FEP - Fluorinated Ethylene Propylene	.014

#### Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White

Overall Nominal Diameter: 0.171 in.

### Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 48 lbs.

Min. Bend Radius/Minor Axis: 1.750 in.

### 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
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

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#### Flame Test

UL Flame Test: NFPA 262

CSA Flame Test: FT6

#### Plenum/Non-Plenum

Plenum (Y/N): Yes

#### Electrical Characteristics (Overall)

##### Nom. Inductance:

Inductance ( $\mu$ H/ft)  
.124

##### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)  
33

##### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)  
60

##### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
5.8

##### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)  
5.8

##### Max. Operating Voltage - UL:

Voltage  
300 V RMS

##### Max. Recommended Current:

Current  
5.4 Amps per conductor @ 25°C

#### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83652 002100	100 FT	4.500 LB	RED	C	2#18 FEP SH FEP
83652 0021000	1,000 FT	28.000 LB	RED	C	2#18 FEP SH FEP
83652 0022000	2,000 FT	56.000 LB	RED		2 #18 FEP SH FEP
83652 002500	500 FT	15.000 LB	RED	C	2#18 FEP SH FEP
83652 0025000	5,000 FT	135.000 LB	RED		2 #18 FEP SH FEP

##### Notes:

C = CRATE REEL PUT-UP.

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