

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



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

MIL Order #39 (China RoHS): Yes

**83652 Multi-Conductor - Audio, Control and Instrumentation Cable, 2 Conductors Cabld****Flame Test**

UL Flame Test: NFPA 262

CSA Flame Test: FT6

**Plenum/Non-Plenum**

Plenum (Y/N): Yes

**Electrical Characteristics (Overall)****Nom. Inductance:**Inductance (µH/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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