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**83604**



**Multi-Conductor - Audio, Control and Instrumentation Cable**

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

**For more Information  
Please call**

**1-800-Belden1**



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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83604 002100	100 FT	5.100 LB	RED	C	4#20 FEP SH FEP
83604 0021000	1,000 FT	34.000 LB	RED	C	4#20 FEP SH FEP
83604 002500	500 FT	17.500 LB	RED	C	4#20 FEP SH FEP

**Notes:**  
C = CRATE REEL PUT-UP.

### Physical Characteristics (Overall)

#### Conductor

**AWG:**

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

**Total Number of Conductors:** 4

#### Insulation

**Insulation Material:**

Insulation Material	Wall Thickness (in.)
FEP - Fluorinated Ethylene Propylene	.006

#### 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
3	Red
4	Green

Overall Nominal Diameter: 0.178 in.

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -70°C To +200°C  
Bulk Cable Weight: 32 lbs/1000 ft.  
Max. Recommended Pulling Tension: 90 lbs.  
Min. Bend Radius/Minor Axis: 2 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

**Flame Test**

UL Flame Test: NFPA 262  
CSA Flame Test: FT6

## Plenum/Non-Plenum

Plenum (Y/N):

Yes

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26

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

Capacitance (pF/ft)

51

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

8.6

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.6

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

3 Amps per conductor @ 25°C

Close

Revision Number: 2    Revision Date: 09-21-2012

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