

83504 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1

**Description:**

24 AWG stranded (7x32) 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
4	24	7x32	TC - Tinned Copper

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 Lay Length & Direction:**

Length (in.)
2.00

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Nominal Diameter: 0.144 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
Bulk Cable Weight:	20.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	24 lbs.
Min. Bend Radius (Install)/Minor Axis:	1.800 in.

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification: CMP

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CEC/C(UL) Specification: CMP

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

Flame Test

UL Flame Test: NFPA 262

C(UL) Flame Test: FT6

Plenum/Non-Plenum

Plenum (Y/N): Yes

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

20

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

36

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

24.0

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

6.7

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

1.6 Amps per conductor @ 25°C

Notes (Overall)

Notes: Plenum Cables, except for Flamarrest® jacket, are suitable for Outdoor and Direct Burial application.

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
83504 002100	100 FT	3.500 LB	RED	C	4#24 FEP SH FEP
83504 0021000	1,000 FT	22.000 LB	RED	C	4#24 FEP SH FEP
83504 002500	500 FT	10.000 LB	RED	C	4#24 FEP SH FEP

Notes:

C = CRATE REEL PUT-UP.

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