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**83754**



### Multi-Conductor - Power-Limited Fire Protective, Control & Instru Cable

14 AWG stranded (7x22) TC conductors, conductors cabled, plenum, FEP insulation, 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
83754 0021000	1,000 FT	102.000 LB	RED	C	4#14 FEP SH FEP
83754 002500	500 FT	52.500 LB	RED	C	4#14 FEP SH FEP

**Notes:**

C = CRATE REEL PUT-UP.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
4	14	7x22	TC - Tinned Copper

Total Number of Conductors:

4

#### Insulation

##### Insulation Material:

Insulation Trade Name	Insulation Material	Wall Thickness (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	.016

#### 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 Trade Name	Outer Jacket Material	Nom. Wall Thickness (in.)
Teflon®	FEP - Fluorinated Ethylene Propylene	.015

## Overall Cable

### Overall Cabling Color Code Chart:

Number	Color
1	Black
2	White
3	Red
4	Green

Overall Nominal Diameter: 0.311 in.

## Mechanical Characteristics (Overall)

Operating Temperature Range:	-70°C To +200°C
UL Temperature Rating:	200°C
Bulk Cable Weight:	98 lbs/1000 ft.
Max. Recommended Pulling Tension:	270 lbs.
Min. Bend Radius/Minor Axis:	3.250 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMP, FPLP
NEC Articles:	760
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

## 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)

30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

52

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

2.3

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

14.4 Amps per conductor @ 25°C

## Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

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