



**Part Number:** 83515

Control/Instrumentation, (15) 24 AWG (7x32) TC,  
FEP/FEP, Foil+TC Braid Shld, CMP

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## Product Description

Fifteen 24 AWG stranded (7x32) tinned copper conductors, plenum, Teflon® (FEP) insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (85% coverage), Teflon® (FEP) jacket.

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## Product Specifications

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## Technical Specifications

### Construction and Dimensions

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#### Conductor:

AWG	Stranding	Material	No. of Conductors
24	7x32	TC - Tinned Copper	15
Total Number of Conductors:			15

#### Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.006 in

#### Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White

#### Cabling 1:

Lay Length
2.75 in

#### Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %
Braid	2	TC - Tinned Copper		85 %

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.227 in	0.014 in

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
24 Ohm/1000ft	3.9 Ohm/1000ft

#### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
20 pF/ft	36 pF/ft

#### Current:

Max. Recommended Current [A]
1.4 Amps per conductor @ 25°C

**Voltage:**

UL Voltage Rating
300 V RMS

**Use**

Max Recommended Pulling Tension:	93 lbs
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**Safety**

CSA Flammability:	FT6
UL Flammability:	NFPA 262

**Temperature Range**

Operating Temp Range:	-70°C To +200°C
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**Mechanical Characteristics**

Min Bend Radius/Minor Axis:	2.5 in
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**Part Number**

Plenum (Y/N):	Yes
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**Standards**

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

**History**

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

Part Number	Color	Put-Up Type	Length
83515 0021000	RED	Reel	1000 ft

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