



Part Number: 83515

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

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.

Product Specifications

Technical Specifications

Construction and Dimensions

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

Safety

CSA Flammability:

FT6

UL Flammability:

NFPA 262

Temperature Range

Operating Temp Range:

-70°C To +200°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:

2.5 in

Part Number

Plenum (Y/N):

Yes

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.

Product Variants

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

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