



Part Number: 83752

Fire Protective Control/Instrumentation, (2) 14 AWG (7x22) TC, FEP/FEP, Foil+TC Braid Shld, CMP

Product Description

Two 14 AWG stranded (7x22) tinned copper conductors, plenum, Teflon® (FEP) insulation, overall Beldfoil® shield (100% coverage) plus tinned copper braid shield (85% coverage), Teflon® (FEP) jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
14	7x22	TC - Tinned Copper	2

Total Number of Conductors: 2

Insulation

Material	Material Trade Name	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.016 in

Color Chart

Number	Color
1	Black
2	White

Outer Shield Material

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

Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	Teflon®	0.267 in	0.015 in

Electrical Characteristics

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	52 pF/ft

Construction and Dimensions

Total Number of Pairs: 1

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.3 Ohm/1000ft	4.2 Ohm/1000ft

Impedance

Nominal Characteristic Impedance

N/A

Current

Max. Recommended Current [A]

18 Amps per conductor @ 25°C

Inductance

Nominal Inductance

0.16 µH/ft

Voltage

UL Voltage Rating

300V RMS

Applicable Standards & Environmental Programs

CEC/C(UL) Specification:	CMP
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMP, FPLP

Flame Test

CSA Flammability:	FT6
UL Flammability:	NFPA 262

Safety

UL Voltage Rating:	300 V RMS
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Mechanical Characteristics

Operating Temp Range:	-70°C To +200°C
Bulk Cable Weight:	56(lbs/1000ft)
Max Recommended Pulling Tension:	153(lbs)
Min Bend Radius/Minor Axis:	2.75(in)

Temperature Range

UL Temp Rating:	200°C
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Plenum/Non-Plenum

Plenum (Y/N):	Yes
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History

Variants

Item #	Color
83752 0021000	RED
83752 002500	RED

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