

Part Number: 89418

Audio/Control/Instrumentation, (4) 18 AWG (19x30) TC,
FEP/FEP, Foil Shld, CMP

Product Description

Four 18 AWG stranded (19x30) tinned copper conductors, fluorinated ethylene propylene (FEP) insulation, overall Beldfoil® shield (100% coverage), tinned copper drain wire, fluorinated ethylene propylene (FEP) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	4
Total Number of Conductors:			4

Insulation:

Material	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.007 in

Color Chart 1:

Number	Color
1	Black
2	White
3	Red
4	Green

Cabling 1:

Lay Length	Lay Direction	Twists
2 in	Left Hand	6 twist/ft

Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape w/Shorting Fold	Beldfoil®	100 %	TC - Tinned Copper	20	19x32 mm

Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
FEP - Fluorinated Ethylene Propylene	0.173 in	0.014 in

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
6.4 Ohm/1000ft	7.9 Ohm/1000ft

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
30 pF/ft	57 pF/ft

Delay:

Nominal Delay	Nominal Velocity of Propagation (VP) [%]
1.47 ns/ft	69 %

Current:

Element	Max. Recommended Current [A]
10C Temperature Rise	4.3 Amps per conductor @ 25°C ambient

Inductance:

Nominal Inductance
0.15 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	114 lbs

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:	1.75 in
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Part Number

Plenum (Y/N):	Yes
Non-Plenum Number:	9418

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 Articles:	NEC Articles
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Chemical Resistance: Gasoline, Oil
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Product Variants

Part Number	Color	Put-Up Type	Length
89418 0021000	RED	Reel	1000 ft
89418 002100	RED	Reel	100 ft
89418 0025000	RED	Reel	5000 ft
89418 002500	RED	Reel	500 ft

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