



Part Number: 2118A

FOUNDATION Fieldbus, (1 pr) 18 AWG (7x26) TC, XLP/TPE, Foil Shld, 600V, TC

Product Description

One 18 AWG pair stranded (7x26) tinned copper, cross-linked polyolefin insulation, overall Beldfoil® shield (100% coverage), thermoplastic elastomer (TPE) jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
18	7x26	TC - Tinned Copper	1
Total Number of Conductors:			2

Insulation:

Material
XLP - Cross-linked Polyolefin

Color Chart 1:

Number	Color
1	Blue & Orange Numbered 1

Stranding:

Lay Length
0.091 mm

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	20	7x28 mm
	TC - Tinned Copper				

Outerjacket 1:

Material	Nominal Diameter	Ripcord
FR PVC - Flame Retardant Polyvinyl Chloride	0.319 in	Yes

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
5.86 Ohm/1000ft

Capacitance:

Max. Capacitance Unbalance	Nom. Capacitance Conductor to Shield
1.2 pF/ft	22 pF/ft

Other Electrical Characteristic 1:	Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft
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Other Electrical Characteristic 2:	31.25 KBits/sec
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High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.08 db/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]
64 %

High Freq:

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Max./Min. Input Impedance (unFitted)
	0.091 db/100ft	100 Ohm
0.03125 MHz		
0.039 MHz		
0.039 MHz		

Current:

Element	Max. Recommended Current [A]
Per Conductor	8.7 Amps

Inductance:

Nominal Inductance
0.22 µH/ft

Voltage:

Description	UL Voltage Rating	Voltage Rating [V]
CSA CIC type TC	600 V RMS	600 V RMS

Use

Suitability - Oil Resistance:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	57 lbs

Safety

CSA Flammability:	FT4
ISO/IEC Flammability:	60332-3-24 (Category C)
UL Flammability:	UL1581 Vertical Tray

Temperature Range

Installation Temp Rating:	-25°C
Operating Temp Range:	-25°C Cold Impact -40°C To +90°C -55°C Cold Bend
UL Temp Rating:	90°C Wet/Dry

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.25 in
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Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification

Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Product Variants

Part Number	Color	Put-Up Type	Length
2118A 0031000	ORANGE	Reel	1000 ft
2118A 0035000	ORANGE	Reel	5000 ft
2118A 0061000	BLUE, LIGHT	Reel	1000 ft
2118A 0065000	BLUE, LIGHT	Reel	5000 ft

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