



Part Number: 1339A

FOUNDATION Fieldbus, (5 pr) 18 AWG (7x26) TC+Grd, (1) 18 AWG (7x26) TC, FRPO/PVC, Foil Shld, TC-ER

Product Description

Five 18 AWG pairs stranded (7x26) tinned copper conductors plus ground wire, flame retardant polyolefin insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors	No. of Pairs
	18	7x26	TC - Tinned Copper	1	5
Ground Wire	18	7x26	TC - Tinned Copper		
Total Number of Conductors:				11	

Insulation:

Material
PVC - Polyvinyl Chloride
FRPO - Flame Retardant Polyolefin

Color Chart 1:

Number	Color
1	Blue and Orange and Numbered 1
2	Blue and Orange and Numbered 2
3	Blue and Orange and Numbered 3
4	Blue and Orange and Numbered 4
5	Blue and Orange and Numbered 5
6	Green/Yellow (Ground)

Stranding:

Lay Length
Y mm

Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	18	7x26 mm
	TC - Tinned Copper				

Outershield 1:

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

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.68 in

Electrical Characteristics**Conductor DCR:**

Individual Pair Nominal Shield DCR
7.5 Ohm/1000ft

Capacitance:

Max. Capacitance Unbalance	Nom. Capacitance Conductor to Other Conductor to Shield	Nom.Mutual Capacitance
1.2 pF/ft	45 pF/ft	24 pF/ft

Other Electrical Characteristic 1:	Max. Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft
Other Electrical Characteristic 2:	31.25 KBits/sec

High Frequency (Nominal/Typical):

Nom. Insertion Loss
0.08 db/100ft

High Freq:

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

Current:

Element	Max. Recommended Current [A]
Per Conductor	5.2 Amps

Inductance:

Nominal Inductance
0.22 μ H/ft

Voltage:

UL Voltage Rating
600 V RMS

Use

Suitability - Oil Resistance:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	246 lbs

Safety

UL Flammability:	UL1685 UL Loading
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Temperature Range

Operating Temp Range:	-30°C To +75°C
UL Temp Rating:	75°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	6.8 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)
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)

History

Product Variants

Part Number	Color	Put-Up Type	Length
1339A 0037500	ORANGE	Reel	7500 ft

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