



Part Number: 1334A

FOUNDATION Fieldbus, (1 pr) 18 AWG (7x26) TC, PO/PVC, Foil Shld, CMG, PLTC-ER

Product Description

One 18 AWG pair stranded (7x26) tinned copper conductors, polyolefin insulation, overall Beldfoil® shield (100% coverage) plus a tinned copper braid shield (65% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	TC - Tinned Copper	0.048 in	1
Total Number of Conductors:				2

Insulation:

Material
PO - Polyolefin

Color Chart 1:

Number	Color
1	Blue & Orange

Stranding:

Lay Length
2 in

Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm
Braid	2	TC - Tinned Copper		65 %			

Outerjacket 1:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.287 in	Yes

Electrical Characteristics**Conductor DCR:**

Max. Outer Shield DCR	Nominal Conductor DCR
4.9 Ohm/1000ft	5.86 Ohm/1000ft

Capacitance:

Max. Capacitance Unbalance	Nom. Capacitance 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
0.069 db/100ft

Delay:

Nominal Velocity of Propagation (VP) [%]
66 %

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	5.2 Amps

Voltage:

UL Voltage Rating	
300 V RMS	

Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	59 lbs

Safety

ISO/IEC Flammability:	60332-3-24 (Category C)
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

Temperature Range

Operating Temp Range:	-30°C To +90°C
UL Temp Rating:	90°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.9 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)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
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
1334A 0031000	ORANGE	Reel	1000 ft
1334A 0031640	ORANGE	Reel	1640 ft
1334A 0033280	ORANGE	Reel	3280 ft
1334A 0061000	BLUE, LIGHT	Reel	1000 ft
1334A 0063280	BLUE, LIGHT	Reel	3280 ft

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