



Product Description

Fieldbus, 16 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Individual & Overall Beldfoil® Shield, Orange PVC Outer Jacket, CMG

Technical Specifications

Product Overview

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
18	7x26	TC - Tinned Copper	0.048 in	16
Condu	ctor Count:	32		

Insulation

Material PP - Polypropylene

Color Chart

Number	Color
1	Blue, Orange and Numbered
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

Inner Shield Material

Туре	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Таре	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	20	7x28
	Tinned Copper (TC)				

Outer Shield Material

Туре	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
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Tape Bi-Laminate (Alum	+Poly) Beldfoil®		100%	TC - Tinned Copper	18	7x26
Outer Jacket Material						
Material	Nominal Diameter	Ripcord				
PVC - Polyvinyl Chloride	0.92 in	Yes				
Construction and I	Dimensions					
Stranding						

I DCR

Stranding

Twists 6 twist/ft

Electrical Characteristics

Conductor DCR					
Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield			
7.5 Ohm/1000ft	5.86 Ohm/1000ft	4.9 Ohm/1000ft			

Capacitance

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

Inductance

Nominal Inductance 0.19 µH/ft

Impedance

Nominal Characteristic Impedance
100 Ohm

High Frequency (Nominal/Typical)

Nom. Insertion Loss

0.08 dB/100ft

High Freq

Max. Insertion Loss (Attenuation)	Max./Min. Input Impedance (unFitted)
0.091 dB/100ft	100 Ohm

Current

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

Voltage

UL Voltage Rating 300 V RMS	
Electrical Characteristics Notes:	Max Propagation Delay Change From 7.812 kHz to 39.06 kHz: 518 pS/ft
Other Electrical Characteristic 2:	31.25 KBits/sec

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-40°C to +105°C

Mechanical Characteristics

Oil Resistance:	Yes
UV Resistance:	Yes
Max. Pull Tension:	940 lbs
Min Bend Radius/Minor Axis:	9.2 in

Standards

NEC Articles:	Article 725, Article 727, Article 800
NEC/(UL) Compliance:	CMG, CMX-Outdoor, ITC, PLTC-ER
CEC/C(UL) Compliance:	CMG

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes - UL
Suitability - Indoor:	Yes
Suitability - Oil Resistance:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
IEC Flammability:	60332-3-24 (Category C)
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

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Part Number

Variants				
Item #	Color	Putup Type	Length	UPC
1331A 0031000	Orange	Reel	1,000 ft	612825112082
Footnote:		C - CRAT	E REEL I	PUT-UP.
History				

Update and Revision:

Revision Number: 0.355 Revision Date: 09-30-2020

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