



Product: [1330A](#) 

Fieldbus, 12 Pr #18 Str TC, PO Ins, IS/OS, PVC Jkt, CMG

 [Request Sample](#)

Product Description

Fieldbus, 12 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Individual & Overall Beldfoil® Shield, Orange PVC Outer Jacket, CMG

Technical Specifications

Product Overview

Suitable Applications:	harsh environment digital and serial two-way communication, oil and gas extraction and refining sites, petrochemical, Profibus process automation or Foundation FieldBus process automation, extreme temperature environments, exposure to humidity/moisture, dust, and oil, remote locations long distance applications, etc.
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	12	18	7x26	TC - Tinned Copper

Insulation

Material	Color Code
PP - Polypropylene	Blue, Orange and Numbered

Inner Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
	Tinned Copper (TC)	

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.81 in	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Shield	Max. Capacitance Unbalance	Nom. Characteristic Impedance	Nom. Inductance	Nom. Velocity of Prop.	Max. Current
5.86 Ohm/1000ft (19.2 Ohm/km)	45 pF/ft (150 pF/m)	1.2 pF/ft	100 Ohm	0.19 µH/ft (0.62 µH/m)	66%	5.2 Amps per Conductor
Nom Outer Shield DCR@Cond DCR1-cnvt:		4.9 Ohm/1000ft (16 Ohm/km)				

High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation) [dB/100ft]
0.08

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-40°C to +105°C

Max. Pull Tension:	688 lbs (312 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL1685 FT4 Loading, 1202, IEC 60332-3-24
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, CMX-Outdoor, ITC, PLTC-ER
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.468 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1330A 0031000	Orange	Reel	1,000 ft	612825112075	C

Footnote:	C - CRATE REEL PUT-UP.
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