



Product: [1334A](#)

Fieldbus, 1 Pr #18 Str TC, PO Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

Product Description

Fieldbus, 1 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) 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.

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18	7x26	TC - Tinned Copper

Insulation

Material	Color Code
PP - Polypropylene	Blue & Orange

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	65%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.065 in (1.7 mm)	0.287 in (7.29 mm)	Yes

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Capacitance Unbalance	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
7.2 Ohm/1000ft	1.2 pF/ft (3.9 pF/m)	45 pF/ft	100 Ohm	66%	5.2 Amps per Conductor

Nom. Outer Shield DCR:	3.8 Ohm/1000ft (12 Ohm/km)
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High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation)
0.069 dB/100ft

High Frequency

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

Voltage

UL Voltage Rating
300 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C	-40°C to +105°C

Bend Radius

Stationary Min.	Installation Min.
3.37 in (85.6 mm)	3.37 in (85.6 mm)

Max. Pull Tension:	44.8 lbs (20.3 kg)
Bulk Cable Weight:	60 lbs/1000ft

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
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
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)
UK Regulation Compliance:	UKCA Mark

History

Update and Revision:	Revision Number: 0.566 Revision Date: 04-30-2024
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1334A 0061000	Blue, Light	Reel	1,000 ft	612825112143	C
1334A 0063280	Blue, Light	Reel	3,280 ft	612825112150	C
1334A 0031000	Orange	Reel	1,000 ft	612825112112	C
1334A 0033280	Orange	Reel	3,280 ft	612825112136	C

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