



**Product:** [1327A](#)

Fieldbus, 2 Pr #18 Str TC, PO Ins, IS/OS, PVC Jkt, CMG

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### Product Description

Fieldbus, 2 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)	2	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%

##### Outer Shield

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

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.44 in (11 mm)

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Capacitance Unbalance	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
7.2 Ohm/1000ft	1.51 Ohm/1000ft (4.95 Ohm/km)	1.2 pF/ft (3.9 pF/m)	45 pF/ft	100 Ohm	66%	5.2 Amps per Conductor
Nom. Outer Shield DCR:	4.9 Ohm/1000ft (16 Ohm/km)					

##### High Frequency (Nominal/Typical)

Nom. Insertion Loss (Attenuation)
0.08 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
105°C	-40°C to +105°C

### Bend Radius

Stationary Min.	Installation Min.
4.46 in (113 mm)	4.46 in (113 mm)

Max. Pull Tension: 89.6 lbs (40.6 kg)

Bulk Cable Weight: 90 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance, Burial
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: 07-12-2023

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1327A 0061000	Blue, Light	Reel	1,000 ft	612825112020	C
1327A 0031000	Orange	Reel	1,000 ft	612825112013	C

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