



**Product:** [1360A](#)

Fieldbus, 1 Pr #16 Str TC, PP Ins, OS, PVC Jkt, PLTC-ER, ITC-ER, c(UL)CMG

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### Product Description

Fieldbus, 1 Pair 16AWG (7x24H) Tinned Copper, PP Insulation, Overall Beldfoil® Shield, Orange PVC Outer Jacket, PLTC-ER, ITC-ER, c(UL) 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	Number of Element	Size	Stranding	Material
Pair(s)	1	16 AWG	7x24	TC - Tinned Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PP - Polypropylene	0.029 in (0.74 mm)	0.117 in (2.97 mm)	Blue & Orange

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC	Foil In - with polyester wrap

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.065 in (1.7 mm)	0.40 in (10 mm)	Yes

Overall Cable Diameter (Nominal):	0.40 in (10 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Max. Capacitance Unbalance	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.	Max. Current
Pair(s)	5.9 Ohm/1000ft	1.2 pF/ft (3.9 pF/m)	45 pF/ft	100 Ohm	66%	8 Amps per Conductor at 25°C

Nom. Outer Shield DCR:	7.5 Ohm/1000ft (25 Ohm/km)
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##### High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss (Attenuation)
Pair(s)	0.039	0.08 dB/100ft

##### High Frequency

Frequency [MHz]	Max. Insertion Loss (Attenuation)	Max./Min. Input Impedance (unFitted) [Ohm]
0.031	0.091 dB/100ft	100

##### Voltage

UL Voltage Rating
300 V (CMG, PLTC-ER), 150 V (ITC-ER)

## Mechanical Characteristics

### Temperature

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

### Bend Radius

Stationary Min.	Installation Min.
4 in (100 mm)	4 in (100 mm)

Max. Pull Tension:	84 lbs (38 kg)
Bulk Cable Weight:	69 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, Oil Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 UL Loading, FT4, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 727, Article 800, CM
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
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## Product Notes

Notes:	Fieldbus: Orange jacket. Profibus PA: Intrinsically Safe Blue jacket.
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## History

Update and Revision:	Revision Number: 0.507 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
1360A 0031000	Orange	Reel	1,000 ft	612825112631

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