



**Product:** [1340A](#) 

Fieldbus, 8 Pr #18 Str TC, PO Ins, IS/OS, PVC Jkt, 600V TC-ER

 [Request Sample](#)

## Product Description

Fieldbus, 8 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Individual & Overall Beldfoil® Shield, Orange PVC Outer Jacket, 600V TC-ER

## 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)	8	18	7x26	TC - Tinned Copper
Ground Wire		18	7x26	TC - Tinned Copper

#### Insulation

Element	Material	Color Code
	PVC - Polyvinyl Chloride	Blue, Orange and Numbered
Ground Wire	PVC - Polyvinyl Chloride	Green/Yellow

#### 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
PVC - Polyvinyl Chloride	0.81 in

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Capacitance Unbalance	Nom. Characteristic Impedence	Nom. Inductance	Max. Current
5.86 Ohm/1000ft (19.2 Ohm/km)	45 pF/ft (150 pF/m)	1.2 pF/ft	100 Ohm	0.22 µH/ft (0.72 µH/m)	5.2 Amps per Conductor

#### High Frequency (Nominal/Typical)

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

#### Voltage

UL Voltage Rating
600 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	-30°C to +75°C

Max. Pull Tension:	381 lbs (173 kg)
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Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL 1685 UL Loading
NEC / UL Compliance:	Article 336, TC-ER
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: 0.292 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
1340A 0035000	Orange	Reel	5,000 ft	612825112297	C

Footnote:	C - CRATE REEL PUT-UP.
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