



Product: [1337A](#)

Fieldbus, 1 Pr #18 Str TC, PO Ins, IS/OS, 1C #18 Str PVC Ins, PVC Jkt, 600V TC-ER

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Product Description

Fieldbus, 1 Pair 18AWG (7x26) Tinned Copper, PO Insulation, Individual & Overall Beldfoil® Shield, 1 Conductor 18AWG (7x26) Tinned Copper, PVC Insulation, 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	Size	Stranding	Material
Pair(s)	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Color Code	Notes
Conductor(s)	PP - Polypropylene	Blue & Orange	
Ground	PP - Polypropylene	Green/Yellow	Flame Retardant

Inner Shield

Element
Data Pair(s)

Outer Shield

Material
Bi-Laminate (Alum+Poly)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.060 in (1.5 mm)	0.362 in (9.19 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Characteristic Impedence	Max. Current
7.06 Ohm/1000ft	100 Ohm	5 Amps per Conductor

Nom. Outer Shield DCR:	1.51 Ohm/1000ft (4.95 Ohm/km)
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Voltage

UL Voltage Rating
600 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
3.62 in (91.9 mm)	3.62 in (91.9 mm)

Max. Pull Tension:	44.8 lbs (20.3 kg)
Bulk Cable Weight:	68 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 725, TC-ER

History

Update and Revision:	Revision Number: 0.413 Revision Date: 08-10-2023
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Part Numbers

Variants

Item #	Color	UPC
1337A 00310000	Orange	612825112266

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