



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 Impedence	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)
------------------------	----------------------------

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: 0.565 Revision Date: 02-15-2024
----------------------	--

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

© 2024 Belden, Inc
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.