



**Product:** [123078E](#)

Fieldbus, 1 Pr #22 Str TC, FPE Ins, OS, PVC Jkt, AIA Armor, PVC Jkt, Flexible, PLTC, ITC, CM

### Product Description

Fieldbus, 1 Pair 22AWG (7x30) Tinned Copper, Foam PE Insulation, Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, Flexible, PLTC, ITC, CM

### Technical Specifications

Suitable Applications:	exposure to rodent, crush, or cut through force, 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.
------------------------	---

#### Conductor

Element	Number of Element	AWG	Stranding	Material
Pair(s)	1	22	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.046 in	Blue & Orange	HDPE w/ Skin

#### Outer Shield Material

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

#### Inner Jacket Material

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.351 in

#### Armor

Armor Type & Material
AIA - Aluminum Interlock Armor

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in	0.631 in

Cable Diameter (Nominal):	0.631 in
---------------------------	----------

#### Electricals

Element	Characteristic Impedance	Nom. Velocity of Prop.
Pair(s)	150 Ohm	78%

#### High Frequency (Nominal/Typical)

Element
Pair(s)

#### Voltage

UL Voltage Rating
300 V (CM, PLTC), 150 V (ITC)

#### Temperature

UL Rating
-----------

75°C

Environmental Suitability:	Sunlight Resistance
NEC / UL Compliance:	Article 725, Article 727, Article 800, CM, ITC, PLTC
CEC / C(UL) Compliance:	CMG HLBCD
Update and Revision:	Revision Number: 0.36 Revision Date: 09-30-2020

© 2020 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.