



Product: [773079T](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, LSZH-TP jkt, BBA, LSZH-TP Jkt, PLTC-ST1 CMG-ST1 Profibus DP

Product Description

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, Low Smoke Zero Halogen Inner Jacket, Bronze Braid Armor, Low Smoke Zero Halogen Outer Jacket, PLTC-ST1 CMG-ST1 SUN RES Profibus DP

Technical Specifications

Product Overview

Suitable Applications:	shipboard, harsh environment, outdoors, data transmission applications such as Profibus DP or PA, Instrumentation and computer cable, etc. exposure to temperature extremes, humidity/moisture, dust, and oil.
------------------------	--

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	Solid	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Color Code	Notes
Pair(s)	PE - Polyethylene (Foam)	0.035 in (0.89 mm)	Red & Green	Flame Retardant, Foam w/ skin

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%
Braid	Tinned Copper (TC)	65%

Inner Jacket

Material	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.430 in (10.9 mm)

Armor

Armor Type & Material
BBA - Bronze Braid Armor

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
LSZH - Low Smoke Zero Halogen (Flame Retardant)	0.050 in (1.3 mm)	0.585 in (14.9 mm)

Overall Cable Diameter (Nominal):	0.585 in (14.9 mm)
-----------------------------------	--------------------

Electrical Characteristics

Electricals

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

High Frequency (Nominal/Typical)

Element
Pair(s)

Voltage

UL Voltage Rating
300 V (CMG-ST1, PLTC-ST1)

Mechanical Characteristics

Temperature

UL Temperature
75°C

Standards and Compliance

NEC / UL Compliance:	Article 725, Article 800, CMG-ST1, PLTC-ST1
----------------------	---

History

Update and Revision:	Revision Number: 0.134 Revision Date: 05-05-2023
----------------------	--

Part Numbers

Variants

Item #	Color	UPC
773079T 0105000	Black	612825188520

© 2023 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.