



**Product:** [3079A](#)

Profibus, 1 Pr #22 Sol BC, PE Ins, OS+TC Brd, PVC Jkt, PLTC CMG Profibus DP

[Request Sample](#)

### Product Description

Profibus, 1 Pair 22AWG (Solid) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(65%) Shield, PVC Outer Jacket, PLTC CMG AWM 20201 SUN RES Profibus DP

### Technical Specifications

**Suitable Applications:** 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.

#### Conductor

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

#### Insulation

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

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.043 in	0.315 in

Cable Diameter (Nominal): 0.315 in

#### Electricals

Element	Nom. Conductor DCR	Characteristic Impedance	Max. Current
Pair(s)	16 Ohm/1000ft	150 Ohm	2.3 Amps per Conductor

Nom Outer Shield DCR: 3.9 Ohm/1000ft

#### High Frequency (Nominal/Typical)

Element	Frequency [MHz]	Nom. Insertion Loss
Pair(s)	0.2 MHz	0.27 dB/100ft
	4 MHz	0.67 dB/100ft
	16 MHz	1.37 dB/100ft

#### High Freq

Frequency [MHz]	Max. Insertion Loss (Attenuation)
0.2 MHz	1.1 dB/100m
4 MHz	2.65 dB/100m
16 MHz	5.4 dB/100m

#### Voltage

UL Voltage Rating
300 V (CMG, PLTC), 600 V (UL AWM 20201)

#### Temperature

UL Rating	Operating
75°C (UL AWM 20201)	-30°C to +75°C

#### Bend Radius

Stationary Min.	Installation Min.
3.2 in	2.4 in

Max. Pull Tension:	50 lbs
Bulk Cable Weight:	52 lbs/1000ft
Environmental Suitability:	Indoor, Sunlight Resistance
Flammability / Fire Resistance:	UL1685 FT4 Loading, FT4, 1202, IEC 60332-1-2
NEC / UL Compliance:	Article 725, Article 800, CMG, PLTC
AWM Compliance:	20201
CEC / C(UL) Compliance:	CMG
CPR Euroclass:	Eca
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE)
Notes:	Siemens Sinec L2 Cable. For CPE jacketed version order Part No. YR45047. For LSZH (FRNC) jacketed version, order Part No. 3079T or YR44731.
Update and Revision:	Revision Number: 0.357 Revision Date: 08-25-2020

© 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.