

PROFIBUS-DP Cable 3079A



Multi-Conductor - DataBus® ISA/SP-50 PROFIBUS Cable

22 AWG solid bare copper conductors, FHDPE insulation, Beldfoil® (100% coverage) plus a tinned copper braid shield (65% coverage), sunlight resistant PVC jacket.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
3079A 0071000	305 MT	25.401 KG	VIOLET	C	1 PR #22 FRFPE FRPE SH PVC
3079A 0072000	610 MT	50.803 KG	VIOLET	C	1 PR #22 FRFPE FRPE SH PVC
3079A 0073600	1,097 MT	91.445 KG	VIOLET	C	1 PR #22 FRFPE FRPE SH PVC
3079A 0601000	305 MT	25.401 KG	CHROME	C	1 PR #22 FRFPE FRPE SH PVC
3079A 0602000	610 MT	50.803 KG	CHROME	C	1 PR #22 FRFPE FRPE SH PVC
3079A 0603600	1,097 MT	91.445 KG	CHROME	C	1 PR #22 FRFPE FRPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
1	22	Solid	BC - Bare Copper	0.6604

Insulation

Insulation Material:

Insulation Material
FRFPE - Flame Retardant Foam Polyethylene

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cabling

Overall Nominal Diameter: 8.001 mm

Pair

<http://www.vdom.com.cn>

E-mail: sales@vdom.com.cn

TEL: 8610-6800 5160

Pair Color Code Chart:

Number	Color
1	Red & Green

Pair Lay Length & Direction:

Lay Length (mm)
69.849725

Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +75°C

UL Temperature Rating: 75°C

Bulk Cable Weight: 66.969 Kg/Km

Max. Recommended Pulling Tension: 222.410 N

Min. Bend Radius (Install)/Minor Axis: 88.900 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 20201 (600 V 75°C)

EU CE Mark: Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL1685 FT4 Loading

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Fitted Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	3	20	150	

Nom. Inductance:

Inductance (µH/m)
0.925242

Nom. Mutual Capacitance:

Capacitance (pF/m)

27.8885

Nominal Velocity of Propagation:

VP (%)

78

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

52.496

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. 12.796 Ohm/km

C:

Nom. Attenuation:

Freq. (MHz)	Attenuation (dB/100m)
0.200	0.886
4.000	2.198
16.000	4.495

Max. Attenuation:

Freq. (MHz)	Attenuation (dB/100 m)
0.200	1.100
4.000	2.650
16.000	5.400

Max. Operating Voltage - UL:

Voltage	Description
300V	CMG
600V	AWM

Max. Recommended Current:

Description	Current
Per Conductor	2.3 Amps

Other Electrical Characteristic 1: Capacitance Unbalance @ 1 kHz: Less than 1000 pF/km

Notes (Overall)

Notes: Siemens Sinec L2 Cable. For CPE jacketed version order Part No. YR45047. For LS0H (FRNC) jacketed version, order Part No. YR44731.

Revision Number: 1 Revision Date: 10-22-

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