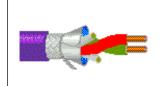




3079A Paired - DataBus® ISA/SP-50 PROFIBUS Cable





Metric Version For more information please call 1-800-Belden1

See Put-ups and Colors

Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	22
Stranding	Solid
Conductor Diameter	0.66 mm
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	FRFPE - Flame Retardant Foam Polyethylene
Lay Length	6.985 cm
Pair Diameter	5.029 mm
Dain Calan Cada Chant	

Pair Color Code Chart:

Number	Color
1	Red & Green

OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape/Braid

Outer Shield Material:

Layer Number	Material Trade Name	Туре	Material	% Coverage (%)
1	Beldfoil®	Таре	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	65

100 % Outer Shield %Coverage

OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride





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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter 8.001 mm

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +75°C	
UL Temperature Rating	75°C	
Bulk Cable Weight	66.969 Kg/Km	
Max. Recommended Pulling Tension	222.41 N	
Min. Bend Radius (Install)	88.9 mm	

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 20201 (600 V 75°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

FLAME TEST:

UL Flame Test
UL1685 FT4 Loading
CSA Flame Test
FT4

ELECTRICAL CHARACTERISTICS:

Fitted Impedance:

Description Frequency	(MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Fitted Impedance (Ohms)
		3	20	150
Nom. Mutual Capacitance @ 1 KHz		27.888 pF/m		
Nominal Velocity of Propagation		78 %		
Nom. Conductor DC Resistance @ 20 D	Deg. C	52.496 Ohms/km		
Ind. Pair Nominal Shield DC Resistance	@ 20 Deg. C	12.796 Ohms/km		
N A+++: (JD/100 ft)				

Nom. Attenuation (dB/100 ft):

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100m)
	0.2			0.886
	4			2.198
	16			4.495

Max. Attenuation (dB/100 m):



BELDENCable[®]

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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Max. Attenuation (dB/100 m)
	0.2			0.9
	4			2.2
	16			4.5

Max. Operating Voltage - UL:

UL Voltage	UL
300V	CMG
600V	AWM

Max. Recommended Current:

Description	Max. Recommended Current
Per Conductor	2.3 Amps

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

NOTES:

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

PUT-UPS AND COLORS:

Item	Description	Put-Up (M)	Ship Weight (kgs.)	Jacket Color	Notes
3079A 0071000	1 PR #22 FRFPE FRPE SH PVC	304.8	25.424	VIOLET	С
3079A 0072000	1 PR #22 FRFPE FRPE SH PVC	609.6	50.848	VIOLET	С
3079A 0073600	1 PR #22 FRFPE FRPE SH PVC	1097.28	91.526	VIOLET	С
3079A 0601000	1 PR#22FRFPEFRPES HPVC	304.8	25.424	CHROME	С
3079A 0602000	1 PR#22FRFPEFRPES HPVC	609.6	50.848	CHROME	С
3079A 0603600	1 PR#22FRFPEFRPES HPVC	1097.28	91.526	CHROME	С

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 10-05-2005

Detailed Specifications & Technical Data



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