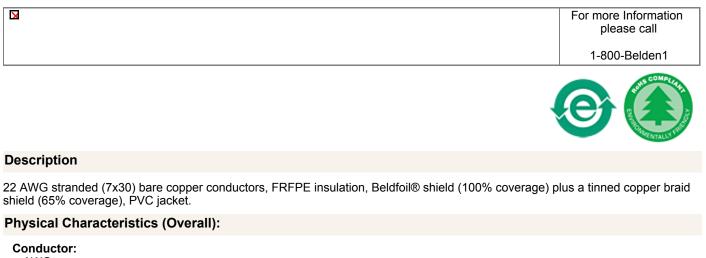


3079E Multi-Conductor - DataBus® ISA/SP-50 PROFIBUS Cable



AWG	or:							
_		Stranding						
	1.000 22 7x30 BC - Bare Copper							
Insulation Insulation	n: on Material							
Ins Material								
FRFPE - Flame Retardant Foam Polyethylene								
Outer Shi	ield: hield Materi	al						
	ayer # Outer \$		ade Name Ty	pe Outer	Shield Material	% Coverage (%)		
	1	Beldfoil			Im Foil-Polyester Tape	100		
L	2		Bra	id TC	C - Tinned Copper	65		
Outer Jac	cket: acket Materi	al						
	Duter Jacket Mater	-						
	VC - Polyvinyl C							
Overall C								
Overall	Overall Nominal Diameter: .315 in.							
Pair:	lar Cada Ch	ort						
	Pair Color Code Chart							
	Number Color 1 Red & Green							
Pair Lay	y Length & D	Direction	1					
-	ay Length (in.)							
2.750								
Mechanic	al Charact	teristic	s (Overal):				
Operatii	ng Tempera	ture Ra	nge		-30°C To +75°	С		
UL Temperature Rating					75°C			
Bulk Ca	Bulk Cable Weight:				45 lbs/1000 ft.			
Max. Recommended Pulling Tension:				50 lbs.				
Min. Be	Min. Bend Radius (Install)/Minor Axis:							
Applicabl	Applicable Specifications and Agency Compliance (Overall):							
	le Standard							
	L) Specifica				PLTC, CMG			
CEC/C(CEC/C(UL) Specification							



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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
Plenum/Non-Plenum: Plenum (Y/N)	Ν

Electrical Characteristics (Overall):

Fitted Impedance

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
		3.000	20.000	150

Nom. Inductance

Inductance (µH/ft)
0.267

Nom. Mutual Capacitance

Capacitance (pF/ft) 8.500

0.000

Nominal Velocity of Propagation

VP (%) 78

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)

16.000

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:3.900 Ohm/1000 ft

Nom. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 ft.)
	0.200			0.340
	4.000			0.810
	16.000			1.640

Max. Attenuation

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Attenuation (dB/100 m)
	0.200			1.120
	4.000			2.660
	16.000			5.400

Max. Operating Voltage - UL

Voltage	Description		
300V	CMG		

Max. Recommended Current

Description Current

Per Conductor 2.3 Amps

Other Electrical Characteristic 1

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

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3079E B021000	1,000 FT	44.000 LB	PURPLE	С	2 #22 FRFPE/FRPE SH PVC PUR
3079E B021640	1,640 FT	73.800 LB	PURPLE	С	2 #22 FRFPE/FRPE SH PVC PUR
3079E B023280	3,280 FT	144.320 LB	PURPLE	С	2 #22 FRFPE/FRPE SH PVC PUR



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Notes: C = CRATE REEL PUT-UP.

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