Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



323106A Multi-Conductor - RS-485

For more Information please call

1-800-Belden1



Description:

22 awg stranded (7x30) tinned copper, Datalene® insulation, twisted pairs, overall 100% Beldfoil® shield + 90% tinned copper braid, 22 awg stranded TC drain wire, UV resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors #		# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
	1	1	22	7x30	TC - Tinned Copper	.030

Insulation

Insulation Material:

Insulation Trade Name	Insulation Material		
Datalene®	FHDPE - Foam High Density 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	90

Outer Shield Drain Wire AWG:

	_	Drain Wire Conductor Material		
22	7x30	TC - Tinned Copper		

Outer Shield Drain Wire Diameter: .030

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket over Armor (y/n):

Armor

Armor Type:	Aluminum Interlocked
Armor Material:	Aluminum
Diameter over Armor:	.444

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White/ Orange
2	Orange/White
3	Blue/White

Overall Nominal Diameter: 0.534 in.

Pair

Pair Lay Length & Direction:



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Mec	hanical Characteristics (Overall)	
(Operating Temperature Range:	-20°C To +60°C
	Non-UL Temperature Rating:	60°C
	Bulk Cable Weight:	149 lbs/1000 ft.
	Max. Recommended Pulling Tension:	76 lbs.
	Min. Bend Radius (Install)/Minor Axis:	5.500 in.
Appl	licable Specifications and Agency Com	pliance (Overall)
App	licable Standards & Environmental Progran	ns
_	CEC/C(UL) Specification:	CM
_	ELL Directive 2000/53/EC (ELV):	Vas

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/13/2005
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
ame Test	

Fla

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

No

Plenum/Non-Plenum

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft) 11.0

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

Nominal Velocity of Propagation:

VP (%)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

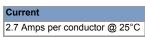
Nom. Attenuation:

Description Freq. (MHz) Start Freq. (MHz) Stop Freq. (MHz) Attenuation (dB/100 ft.)

Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:



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Input/Unfitted Impedance:

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Impedance (Ohm)
	1			120

Notes (Overall)

Notes: Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
	- Color	Cpc.g			

Revision Number: 1 Revision Date: 04-21-2008

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