

3106A Paired - RS-485

	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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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:

CONDUCTOR:

Number of Pairs	1
Number of Conductors	1
Total Number of Conductors	3
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FHDPE - Foam High Density Polyethylene
Lay Length	3.0 in.

OVERALL CABLING:

Overall Cabling Color Code Chart :

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

OUTER SHIELD:

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

Outer Shield Material :

Layer Number	Material Trade Name	Type	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	90

Outer Shield % Coverage	100 %
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OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	22
Outer Shield Drain Wire Stranding	7x30
Outer Shield Drain Wire Diameter	.030 in.
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.300 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	48 lbs/1000 ft.
Max. Recommended Pulling Tension	65 lbs.
Min. Bend Radius (Install)	3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM, PLTC OIL RES II
CEC/C(UL) Specification	CM

FLAME TEST:

UL Flame Test	UL1581 Vertical Tray
CSA Flame Test	FT1

SUITABILITY:

Sunlight Resistance	Passes UL 1581, 720 Hours
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Input/Unfitted Impedance :

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Input/Unfitted Impedance (Ohms)
	1			120

Nom. Capacitance Conductor to Conductor @ 1 KHz	11.0 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	20.9 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance of Pair @ 20 Deg. C	14.7 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.8 Ohms/1000 ft
Nom. Attenuation (dB/100 ft) :	



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Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			.5

Max. Operating Voltage - UL	300 V RMS
Max. Recommended Current	2.7 Amps per conductor @ 25°C

NOTES:

Notes	Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17
Notes (Cont'd.)	CPE Jacket Optional

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3106A 0101000	#22 FS PR,1#22PVCBRDPV C	1000	51	BLACK	C N
3106A 010500	#22FSPR,1#22PVCB RDPVC	500	27	BLACK	C N
3106A 0105000	#22 FS PR,1#22PVCBRDPV C	5000	260	BLACK	C N

C = CRATE REEL PUT-UP.

N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

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