



Part Number: 3105A

RS-485, (1 pr) 22 AWG (7x30) TC, FHDPE,PVC, Foil+TC
Braid Shld, CM, PLTC

Product Description

One 22 AWG pair stranded (7x30) tinned copper conductors, Datalene® (FHDPE) insulation, twisted pairs, overall Beldfoil® shield (100% coverage) plus a tinned copper braid (65% coverage), PVC jacket.

Product Specifications

AG.Filter Attributes

Total Number of Conductors:	2
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Technical Specifications

AG_0401

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT1

APAC Standard

MII Order #39 (China RoHS):	Yes
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Applicable Patents

Patent:	http://www.belden.com/p
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Bend Radius

Min Bend Radius/Minor Axis:	2.8 in
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CCB-Sub-Part Number

Plenum (Y/N):	No
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Contact Information

PHONE_NUM:	1-800-Belden1
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EU Directive

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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EU CE Mark:	Yes
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General Electrical Parameters

Other Electrical Characteristic 1:	Input Impedance/Unfitted Impedance .5 - 10 MHZ, 120 +-12 Ohms
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North American Standard

CA Prop 65 (CJ for Wire & Cable):	Yes
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CEC/C(UL) Specification:	CM
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NEC/(UL) Specification:	CM, PLTC
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Unused Attributes

Notes:	Oil Resistance: Passes Oil Res II Per UL1277, Table 10.17. For CPE jacketed version order Part No. YR44345.
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Use

Suitability - Sunlight Resistance:	Yes
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Max Recommended Pulling Tension:	60 lbs
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Impedance:

Nominal Characteristic Impedance

120 Ohm

Conductor DCR:

Nominal Conductor DCR

Nominal Outer Shield DCR

14.7 Ohm/1000ft	2.8 Ohm/1000ft
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Color Chart 1:

Number	Color
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1	White/Blue Stripe and Blue/White Stripe
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Delay:

Nominal Velocity of Propagation (VP) [%]

78 %

Voltage:

UL Voltage Rating

300 V RMS (NEC Type PLTC) V

300 V RMS (NEC Type CM)

Current:

Max. Recommended Current [A]

2.7 Amps per conductor @ 25°C

High Freq:

Frequency [MHz]

1 MHz

Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
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11 pF/ft	20.9 pF/ft
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High Frequency (Nominal/Typical):

Nom. Insertion Loss

0.5 dB/100ft

Stranding:

Lay Length

3.75 in

Insulation:

Material	Material Trade Name
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FHDPE - Foam High Density Polyethylene	Datalene®
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Outerjacket 1:

Material	Nominal Diameter
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PVC - Polyvinyl Chloride	0.281 in
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Conductor:

AWG	Stranding	Material	Nominal Diameter	No. of Pairs
22	7x30	TC - Tinned Copper	0.03 in	1

Other Electrical Information:

Other Electrical Characteristic 1	Input Impedance/Unfitted Impedance .5 - 10 MHz, 120 +-12 Ohms
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Outershield 1:

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape			Beldfoil®	100 %	TC - Tinned Copper 22 7x30 mm
Braid	2	TC - Tinned Copper				65 %	

Product Variants

Part Number	Color	Put-Up Type	Length
3105A			
3105A			
3105A			
3105A	BLACK	Reel	305 m
3105A 0101000	BLACK	Reel	1000 ft
3105A			
3105A	BLACK	Reel	1524 m
3105A 0105000	BLACK	Reel	5000 ft
3105A			
3105A	BLACK	Reel	152 m
3105A 010500	BLACK	Reel	500 ft
3105A	BLACK	Reel	305 m
3105A	BLACK	Reel	1000 m
3105A.001525	BLACK	Reel	1525 m
3105A.00152	BLACK	Reel	152 m
3105A.003050	BLACK	Reel	3050 m
3105A.00305	BLACK	Reel	305 m
3105A.00610	BLACK	Reel	610 m
3105A	BLACK	Reel	305 m
3105A			

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