



Part Number: 7205A

300V Flex Data, (1 pr) 24 AWG (41x40) BC, FPE-PE/PVC, Foil+TC Braid Shld, CM

Product Description

One 24 AWG stranded (41x40) bare copper conductors, twisted pairs, foam polyethylene insulation, overall Beldfoil® (100% coverage) plus tinned copper braid shield (85% coverage), PVC jacket.

Product Specifications

Technical Specifications

Suitable Applications:	Flex Data, RS232, RS422
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Construction and Dimensions

Conductor:

AWG	Stranding	Material	No. of Pairs
24	41x40	BC - Bare Copper	1

Total Number of Conductors:	2
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Insulation:

Material
FPE - Foam Polyethylene
PE - Polyethylene

Color Chart 1:

Number	Color
1	White & Blue

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	24	41x40 mm
Braid	2	TC - Tinned Copper		85 %			

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.232 in

Electrical Characteristics

Capacitance:

Max. Capacitance Conductor to Conductor	
14 pF/ft	
Min Insulation Resistance:	6.1 Megaohms/1,000 ft. minimum MOhm*1000ft

Impedance:

Max. Differential Impedance (1MHz)
100 +/-15

Delay:

Nominal Velocity of Propagation (VP) [%]
72 %

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Oil Resistance:	Yes
Flex Cycle Rating:	1 Million
Max Recommended Pulling Tension:	41 lbs

Safety

UL Flammability:	UL1685 UL Loading
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Temperature Range

Operating Temp Range:	-20°C To +60°C
UL Temp Rating:	60°C

Mechanical Characteristics

Min Bend Radius (Continuous Flexing):	3.5 in
Min Bend Radius/Minor Axis:	2.3 in

Part Number

Plenum (Y/N):	No
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Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Notes:	1 million flex cycles based on proper installation in a C-track cable guide.
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Product Variants

Part Number	Color	Put-Up Type	Length
7205A X4P1000	GREEN X4P	Reel	1000 ft

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