

3120A Paired - DeviceBus® for Phoenix Contact InterBus®-S



For more information please
call

1-800-Belden1

See Put-ups and Colors

Description:

24 AWG stranded tinned copper conductors, PE insulation, overall Beldfoil® shield (100% coverage) plus a tinned copper braid (90% coverage), polyurethane jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	3
AWG	24.0
Stranding	7x32
Conductor Diameter	.024 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material	PE - Polyethylene
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Pair Color Code Chart :

Number	Color	Number	Color
1	White & Brown	3	Yellow & Green
2	Pink & Gray		

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 JACKET:

Outer Jacket Material	PUR - Polyurethane
Outer Jacket Nominal Wall Thickness	.035 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.277 in.
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MECHANICAL CHARACTERISTICS:

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Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 20233)
Bulk Cable Weight	54 lbs/1000 ft.
Max. Recommended Pulling Tension	33 lbs.
Min. Bend Radius (Install)	3 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

AWM Specification	UL Style 20233 (300 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

SUITABILITY:

Sunlight Resistance	High
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	100 Ohms
Nom. Capacitance Conductor to Shield @ 1 KHz	15.4 pF/ft
Nominal Velocity of Propagation	66 %
Nom. Conductor DC Resistance @ 20 Deg. C	26.0 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.7 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (UL AWM Style 20233)
Max. Recommended Current	2.7 Amps per conductor @ 25°C

NOTES:

Notes	Oil Resistance: High
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
3120A G7W1000	3 PR #24 PE SH PU	1000	49	GREEN, MATTE	C
3120A G7W500	3 PR #24 PE SH PU	500	26	GREEN, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-01-2006

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