

3120A Multi-Conductor - DeviceBus® for Phoenix Contact InterBus®-S



For more Information
please call
1-800-Belden1



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 (Overall):

Conductor:

AWG

# Pairs	AWG	Stranding	Conductor Material	Dia. (in.)
3.000	24.000	7x32	TC - Tinned Copper	0.024

Insulation:

Insulation Material

Ins Material
PE - 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 Jacket:

Outer Jacket Material

Outer Jacket Material	Nom. Wall Thickness (in.)
PUR - Polyurethane	0.035

Overall Cabling:

Overall Nominal Diameter: .277 in.

Pair:

Pair Color Code Chart

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

Mechanical Characteristics (Overall):

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 (Overall):

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

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Suitability:

Sunlight Resistance High

Plenum/Non-Plenum:

Plenum (Y/N) N

Electrical Characteristics (Overall):

Nom. Characteristic Impedance

Impedance (Ohm)
100.000

Nom. Capacitance Conductor to Shield

Capacitance (pF/ft)
15.400

Nominal Velocity of Propagation

VP (%)
66

Nom. Conductor DC Resistance

DCR @ 20°C (Ohm/1000 ft)
26.000

Max. Operating Voltage - UL

Voltage
300 V RMS (UL AWM Style 20233)

Max. Recommended Current

Current
2.7 Amps per conductor @ 25°C

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
2.700

Notes (Overall):

Notes Oil Resistance: High

PUT UPS AND COLORS:

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3120A G7W1000	1,000 FT	49.000 LB	GREEN, MATTE	C	3 PR #24 PE SH PU GRNMTT
3120A G7W500	500 FT	26.000 LB	GREEN, MATTE	C	3 PR #24 PE SH PU GRNMTT

Notes:

C = CRATE REEL PUT-UP.

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