



**Product:** [3102A](#)

300V, (1 triad) 12 AWG (7x20) BC, PVC/PVC, Foil Shld, PLTC

[Request Sample](#)

**Product Description**

One 12 AWG triad stranded (7x20) bare copper conductors, twisted triads, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Triads
12	7x20	BC - Bare Copper	1

Conductor Count: 3

**Insulation**

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.024 in

**Color Chart**

Number	Color
1	White
2	Black
3	Red

**Color Chart 2**

Number	Color
1	Black & Red & White

**Outer Shield**

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	14	7x22

**Outer Jacket**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.409 in	0.053 in	Yes

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
1.5 Ohm/1000ft

**Voltage**

UL Voltage Rating
300 V RMS

**Temperature Range**

UL Temp Rating:	105°C
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Operating Temperature Range:	-30°C To +105°C
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## Mechanical Characteristics

Bulk Cable Weight:	117 lbs/1000ft
Max. Pull Tension:	260 lbs
Min. Bend Radius/Minor Axis:	4.3 in

## Standards

NEC/(UL) Compliance:	CL3R, ITC-ER, PLTC-ER
UL AWM Style Compliance:	AWM 2464

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## History

Update and Revision:	Revision Number: 0.241 Revision Date: 04-08-2022
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