



**Part Number:** 3021A

300V, (8 triad) 20 AWG (7x28) BC, (1) 22 AWG (7x30) BC,  
PVC/PVC, Foil Shld, PLTC-ER, CMG

## Product Description

Eight 20 AWG triads stranded (7x28) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Triads
20	7x28	BC - Bare Copper	1	8
22	7x30	BC - Bare Copper		
<b>Total Number of Conductors:</b>			25	

#### Insulation:

Material
PVC - Polyvinyl Chloride

#### Color Chart 2:

Number	Number
1	Black & White & Red and Numbered 1
2	Black & White & Red and Numbered 2
3	Black & White & Red and Numbered 3
4	Black & White & Red and Numbered 4
5	Black & White & Red and Numbered 5
6	Black & White & Red and Numbered 6
7	Black & White & Red and Numbered 7
8	Black & White & Red and Numbered 8
Communication Wire	Orange

#### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	20	7x28 mm

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.56 in	0.055 in	Yes

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
9.3 Ohm/1000ft	6.23 Ohm/1000ft

#### Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	330 lbs

## Safety

C(UL) Flammability:	FT4
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<b>ICEA Flammability:</b>	T-29-520
<b>IEEE Flammability:</b>	1202
<b>UL Flammability:</b>	UL1685 FT4 Loading

## Temperature Range

<b>Operating Temp Range:</b>	-30°C To +105°C
<b>UL Temp Rating:</b>	105°C

## Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	5 in
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## Part Number

<b>Plenum (Y/N):</b>	No
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## Standards

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

## History

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.