



**Part Number:** 23521

300V ACIC, (12 pr) 20 AWG (7x28) TC, PVC/PVC/PVC, Foil Shld, Alum Armor

## Product Description

Twelve 20 AWG pairs stranded (7x28) tinned copper conductors, PVC insulation, PVC inner jacket, individual Beldfoil® plus a polyester isolation tape, overall Beldfoil® shield (100% coverage), aluminum interlocked armor, PVC outer jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	12
<b>Total Number of Conductors:</b>			24

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.02 in

#### Color Chart 1:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12

**Stranding:**

Lay Length
Yes mm

**Innershield:**

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	22	7x30 mm
				TC - Tinned Copper	

**Innerjacket:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.75 in

**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	Ripcord
PVC - Polyvinyl Chloride	1.06 in	Yes

**Armor:**

Type of Armor	Material
Interlocked Armor	Aluminum

**Electrical Characteristics**

## Conductor DCR:

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
16 Ohm/1000ft	10.3 Ohm/1000ft	9 Ohm/1000ft

## Voltage:

Description	Voltage Rating [V]
CEC ACIC	300 V

## Use

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Max Recommended Pulling Tension:	408 lbs

## Safety

C(UL) Flammability:	FT4
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## Temperature Range

Dry Temp Range:	-40 °C To +105 °C
Installation Temp Range:	-25 °C To +105 °C
Non-UL Temp Rating:	105 °C
Wet Temp Range:	-40 °C To +75 °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	12.75 in
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## 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
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## History

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