



**Part Number:** 3054A

300V, (24 triad) 16 AWG (7x24) BC, (1) 22 AWG (7x30) BC, FR-PVC/FR-PVC, Foil Shld, PLTC-ER, CMG

## Product Description

Twenty-four 16 AWG triads stranded (7x24) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, flame retardant PVC insulation, overall Beldfoil® shield (100% coverage), flame retardant PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Triads
16	7x24	BC - Bare Copper	1	24
22	7x30	BC - Bare Copper		
<b>Total Number of Conductors:</b>			73	

#### Insulation:

Material
F-R PVC - Flame Retardant 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
9	Black & White & Red and Numbered 9
10	Black & White & Red and Numbered 10
11	Black & White & Red and Numbered 11
12	Black & White & Red and Numbered 12
13	Black & White & Red and Numbered 13
14	Black & White & Red and Numbered 14
15	Black & White & Red and Numbered 15
16	Black & White & Red and Numbered 16
17	Black & White & Red and Numbered 17
18	Black & White & Red and Numbered 18
19	Black & White & Red and Numbered 19
20	Black & White & Red and Numbered 20
21	Black & White & Red and Numbered 21
22	Black & White & Red and Numbered 22
23	Black & White & Red and Numbered 23
24	Black & White & Red and Numbered 24
25	Orange

**Stranding:**

Twists
6 twist/ft

**Outersheild 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	18	7x26 mm

**Outerjacket 1:**

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
FR PVC - Flame Retardant Polyvinyl Chloride	1.18 in	0.074 in	Yes

**Electrical Characteristics**

## Conductor DCR:

Nominal Conductor DCR	Nominal Outer Shield DCR
3.7 Ohm/1000ft	4.9 Ohm/1000ft

## Capacitance:

Nom. Capacitance Conductor to Conductor
54 pF/ft

## Inductance:

Nominal Inductance
0.156 $\mu$ H/ft

## Voltage:

UL Voltage Rating
300 V RMS

## Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	2615 lbs

## Safety

CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

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

Min Bend Radius/Minor Axis:	11.75 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)
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<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>UL AWM Style:</b>	AWM Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)

## History

<b>Notes:</b>	Alternate color coding available upon request.
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