



Part Number: 3046A

300V, (4 triad) 16 AWG (7x24) BC, (1) 22 AWG (7x30) BC,
PVC/FR-PVC, Foil Shld, PLTC-ER, CMG

Product Description

Four 16 AWG triads stranded (7x24) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, 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	4
22	7x30	BC - Bare Copper		
Total Number of Conductors:			13	

Insulation:

Material
F-R PVC - Flame Retardant Polyvinyl Chloride

Color Chart 2:

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

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	0.57 in	0.053 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	Nom. Capacitance Conductor to Other Conductor to Shield
54.1 pF/ft	97.3 pF/ft

Inductance:

Nominal Inductance
0.156 µH/ft

Voltage:

UL Voltage Rating
300 V RMS

Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	473 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:	5.75 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
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

History

Notes:	Alternate color coding available upon request.
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