



**Product:** [3037A](#)

300V, (16 triad) 18 AWG (7x26) BC, (1) 22 AWG (7x30) BC, PVC/PVC, IS/OS, PLTC-ER, CMG

[Request Sample](#)

## Product Description

Sixteen 18 AWG triads stranded (7x26) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, Individual and overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	Industrial Instrumentation. Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Triad(s)	48	18 AWG	7x26	BC - Bare Copper
Conductor(s)	1	22 AWG	7x30	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.08 in (2.0 mm)	Black and White and Red and Numbered 1, Black and White and Red and Numbered 2, Black and White and Red and Numbered 3, Black and White and Red and Numbered 4, Black and White and Red and Numbered 5, Black and White and Red and Numbered 6, Black and White and Red and Numbered 7, Black and White and Red and Numbered 8, Black and White and Red and Numbered 9, Black and White and Red and Numbered 10, Black and White and Red and Numbered 11, Black and White and Red and Numbered 12, Black and White and Red and Numbered 13, Black and White and Red and Numbered 14, Black and White and Red and Numbered 15, Black and White and Red and Numbered 16
Conductor(s)	PVC - Polyvinyl Chloride			Orange

#### Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.074 in (1.9 mm)	0.978 in (24.8 mm)	Yes

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
6.86 Ohm/1000ft	8.51 Ohm/1000ft (27.9 Ohm/km)	7 Amps per Conductor at 30°C

#### Voltage

UL Voltage Rating
300 V RMS

## Mechanical Characteristics

### Temperature

UL Temperature	Operating
105°C	-25°C To +105°C

### Bend Radius

Stationary Min.	Installation Min.
9.78 in (248 mm)	9.78 in (248 mm)

Max. Pull Tension:	1110 lbs (503 kg)
Bulk Cable Weight:	572 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4, T-29-520, IEEE 1202
NEC / UL Compliance:	Article 800, Article 727, Article 725, CMG, ITC, PLTC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.204 Revision Date: 01-11-2024
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