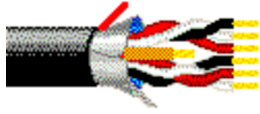




Product: [3030A](#)



Inst, 4 Tri #18 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC ITC CMG

Request Sample

### Product Description

UL Instrumentation, 4 Triad 18AWG (7x26+7x30) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTCR ITC CMG AWM 2464 SUN RES DIR BUR

### Technical Specifications

#### Product Overview

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

##### Conductor

Element	Number of Element	Size	Stranding	Material
Triad(s)	4	18 AWG	7x26	BC - Bare Copper
Comm Wire(s)	1	22 AWG	7x30	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Color Code
Triad(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black, White, Red and Numbered
Comm Wire(s)	PVC - Polyvinyl Chloride	0.019 in (0.48 mm)	Orange

##### Inner Shield

Element	Shield Type
Comm Wire(s)	No Shield

##### 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	0.053 in (1.3 mm)	0.485 in (12.3 mm)	Yes

Overall Cable Diameter (Nominal):	0.485 in (12.3 mm)
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#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR
Pair(s)	5.86 Ohm/1000ft (19.2 Ohm/km)
Comm Wire(s)	14.7 Ohm/1000ft (48.2 Ohm/km)

##### Voltage

UL Voltage Rating
300 V (CMG, PLTC, UL AWM 2464), 150 V (ITC)

#### Mechanical Characteristics

## Temperature

UL Temperature	Operating
105°C	-30°C to +105°C

## Bend Radius

Stationary Min.	Installation Min.
4.9 in (120 mm)	4.9 in (120 mm)

Max. Pull Tension:	240 lbs (110 kg)
Bulk Cable Weight:	138 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, Burial
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, 1202
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, PLTC, ITC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG

## History

Update and Revision:	Revision Number: 0.52 Revision Date: 07-07-2022
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