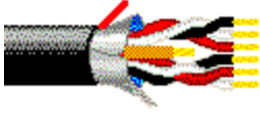


Product: [3052A](#) 



Inst, 16 Tri #16+22 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC-ER ITC-ER CMG

 [Request Sample](#)

Product Description

UL Instrumentation, 16 Triad 16+22AWG (7x24+7x30) Bare Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC-ER ITC-ER 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

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Triad(s)	16	16 AWG	7x24	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	0.016 in (0.41 mm)	Black, White, Red and Numbered
Comm Wire(s)	PVC - Polyvinyl Chloride	0.015 in (0.38 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%	16 AWG (7x24) TC

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.074 in (1.9 mm)	0.999 in (25.4 mm)	Yes

Overall Cable Diameter (Nominal): 0.999 in (25.4 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Pair(s)	3.7 Ohm/1000ft (12 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.
10.0 in (254 mm)	10.0 in (254 mm)

Max. Pull Tension:	1758 lbs (797.4 kg)
Bulk Cable Weight:	635 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance
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: 0.50 Revision Date: 07-07-2022
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