



**Product:** [32P1608](#)

300V, (8 pr) 16 AWG (7x24) BC, PVC/PVC, IS/OS Foil Shld, PLTC/ITC, CMG

## Product Description

UL Instrumentation, 8 Pairs 16AWG (7x24) Bare Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shields, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

## Technical Specifications

### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	8	16 AWG	7x24	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.090 in (2.3 mm)	Black, White and Numbered

#### Inner Shield

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

#### Outer Shield

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

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.684 in	Yes

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
4.35 Ohm/1000ft	1.358 Ohm/1000ft (4.455 Ohm/km)	9 Amps per Conductor at 30°C

#### Voltage

UL Voltage Rating
300 V (PLTC), 300 V (CMG)

### Mechanical Characteristics

#### Temperature

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

Max. Pull Tension:	596.4 lbs (270.5 kg)
Bulk Cable Weight:	275 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4
NEC / UL Compliance:	Article 725, Article 727, Article 800, CMG, ITC, PLTC
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, 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: 0.48 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	UPC
32P1608 0105000	612825361039

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