



**Product:** [32P1808](#)

Inst PVC/PVC, 8 Pr #18 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V PLTC ITC CMG

### Product Description

UL Instrumentation, 8 Pair 18AWG (7x26) Bare Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, PLTC ITC CMG AWM 2464 SUN RES

### 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	No. of Elements	Size	Stranding	Material
Pair(s)	8	18 AWG	7x26	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.080 in (2.0 mm)	Black and White and Numbered

##### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Pair(s)	Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	22 AWG (7x30) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.618 in	Yes

Overall Cable Diameter (Nominal):	0.618 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
6.8 Ohm/1000ft	12.3 Ohm/1000ft (40.4 Ohm/km)	7 Amps per Conductor at 25°C

##### Voltage

<b>UL Voltage Rating</b>
300 V

#### Mechanical Characteristics

##### Temperature

<b>UL Temperature</b>	<b>Operating</b>
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UL: 105°C, AWM 2464: 80°C -20°C to +105°C

#### Bend Radius

Stationary Min.	Installation Min.
6.18 in (157 mm)	6.18 in

Max. Pull Tension:	440 lbs (200 kg)
Bulk Cable Weight:	192 lbs/1000ft

#### Standards and Compliance

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

#### History

Update and Revision:	Revision Number: 0.109 Revision Date: 01-10-2024
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#### Part Numbers

#### Variants

Item #	UPC
32P1808 0105000	612825360070

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