



**Product:** [32P1836](#)

Inst PVC/PVC, 36 Pr #18 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V  
PLTC ITC CMG

### Product Description

UL Instrumentation, 36 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)	36	18 AWG	7x26	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.014 in (0.36 mm)	0.074 in (1.9 mm)	ICEA Chart E1

##### Inner Shield

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

##### 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	0.073 in (1.9 mm)	1.129 in	Yes

Overall Cable Diameter (Nominal):	1.129 in
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#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
6.6 Ohm/1000ft	12.3 Ohm/1000ft (40.4 Ohm/km)	5 Amps per Conductor at 30°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.
11.29 in (286.8 mm)	11.29 in

Max. Pull Tension:	2907 lbs (1319 kg)
Bulk Cable Weight:	770 lbs/1000ft

#### Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV 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
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: 0.54 Revision Date: 02-03-2025
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#### Part Numbers

##### Variants

Item #	Putup Type	UPC
32P1836 0102500	Reel	612825362975

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