



**Product:** [32P2012](#)

Inst PVC/PVC, 12 Pr #20 Str BC, PVC Ins E1, IS/OS, Blk PVC Jkt, 300V  
PLTC ITC CMG

### Product Description

UL Instrumentation, 12 Pair 20AWG (7x28) 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)	12	20 AWG	7x26	BC - Bare Copper

##### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.071 in (1.8 mm)	Black, White and Numbered

##### Inner Shield

Element	Shield Type	Material	Coverage	Drainwire Type
Each Pair	Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (7x32) TC

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.639 in	Yes

#### Electrical Characteristics

##### Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
10.92 Ohm/1000ft	3.18 Ohm/1000ft (10.4 Ohm/km)	2.4 Amps per Conductor at 25°C

##### Voltage

UL Voltage Rating
300 V (PLTC)

#### Mechanical Characteristics

##### Temperature

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

Max. Pull Tension:	313 lbs (142 kg)
Bulk Cable Weight:	213 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 loading, FT4, T-29-520, 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: 0.50 Revision Date: 01-10-2024
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## Part Numbers

### Variants

Item #	UPC
32P2012 0105000	612825360278

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