



Product: [32T1608](#)

Inst PVC/PVC, 8 Tri #16 Str BC, PVC Ins E1, OS, Blk PVC Jkt, 300V PLTC ITC CMG

### Product Description

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

### Technical Specifications

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	Nominal Diameter
16	7x24	BC - Bare Copper	0.058 in

Conductor Count:	24
Total Number of Triads:	8

##### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.090 in	0.016 in

##### Color Chart

Number	Color
1	Black, White, Red, and Numbered 1
2	Black, White, Red and Numbered 2
3	Black, White, Red and Numbered 3
4	Black, White, Red and Numbered 4
5	Black, White, Red and Numbered 5
6	Black, White, Red and Numbered 6
7	Black, White, Red and Numbered 7
8	Black, White, Red and Numbered 8

##### Inner Shield

Element	Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Triad(s)	Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.036 in	20

##### Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire Diameter	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	0.036 in	20

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.740 in	0.063 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

## Voltage

Description	UL Description	UL Voltage Rating	Voltage Rating [V]
Type PLTC	PLTC	300 V RMS	300 V RMS

## Temperature Range

UL Temp Rating:	105°C
Operating Temperature Range:	-30°C To +105°C

## Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	369 lbs/1000ft
Max. Pull Tension:	485 lbs
Min. Bend Radius/Minor Axis:	7.40 in

## Standards

NEC/(UL) Compliance:	CMG, PLTC, ITC
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2464

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes

## Suitability

Suitability - Burial:	No
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL 1685 UL Loading
CSA Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL voltage rating:	300 V RMS (PLTC)

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Related Part Numbers

### Variants

Item #	UPC
32T1608 0105000	612825360803

## History

Update and Revision:	Revision Number: 0.52 Revision Date: 04-08-2022
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