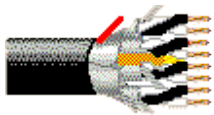


## 1477A Multi-Conductor - 300V Power-Limited Tray Cable

For more Information  
please call

1-800-Belden1



### Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, individually shielded plus an overall Beldfoil (100% coverage), PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	12	18	7x26	BC - Bare Copper
1		22	7x30	BC - Bare Copper

#### Insulation

##### Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

#### Inner Shield

##### Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

##### Inner Shield Drain Wire AWG:

AWG
20

Inner Shield Drain Wire Stranding: 7x28

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.064

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 0.737 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3

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4	Black & White and Numbered 4
5	Black & White and Numbered 5
6	Black & White and Numbered 6
7	Black & White and Numbered 7
8	Black & White and Numbered 8
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12
Communication	Orange

### Mechanical Characteristics (Overall)

<b>Operating Temperature Range:</b>	-30°C To +105°C
<b>Bulk Cable Weight:</b>	328 lbs/1000 ft.
<b>Max. Recommended Pulling Tension:</b>	779 lbs.
<b>Min. Bend Radius (Install)/Minor Axis:</b>	7.250 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CMG, ITC, PLTC
<b>CEC/C(UL) Specification:</b>	CMG
<b>EU CE Mark:</b>	Yes
<b>EU Directive 2000/53/EC (ELV):</b>	Yes
<b>EU Directive 2002/95/EC (RoHS):</b>	Yes
<b>EU RoHS Compliance Date (mm/dd/yyyy):</b>	04/01/2005
<b>EU Directive 2002/96/EC (WEEE):</b>	Yes
<b>EU Directive 2003/11/EC (BFR):</b>	Yes
<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	Yes
<b>MII Order #39 (China RoHS):</b>	Yes
<b>Other Specification:</b>	NEC Type PLTC Listed, which is approved for cable tray use in Class 1, Division 2, hazardous areas and non-hazardous areas, cable trays, raceways, conduit and supported by messenger wires.

#### Flame Test

<b>UL Flame Test:</b>	UL1685 FT4 Loading
<b>CSA Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202

#### Suitability

<b>Suitability - Indoor:</b>	Yes
<b>Suitability - Outdoor:</b>	Yes
<b>Suitability - Burial:</b>	Yes
<b>Sunlight Resistance:</b>	Yes

#### Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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### Surface Printing (Overall)

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
18 AWG	5.86

## 1477A Multi-Conductor - 300V Power-Limited Tray Cable

22 AWG	14.7
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**Nominal Outer Shield DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
4.1

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 10.300 Ohm/1000 ft

**Max. Operating Voltage - UL:**

<b>Voltage</b>
300 V RMS

**Max. Recommended Current:**

<b>Current</b>
2.5 Amps per conductor @ 25°C

### Notes (Overall)

**Notes:** Alternate color coding available upon request.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1477A 0061000	1,000 FT	369.000 LB	BLUE, LIGHT	C	12FS PR #18 + 1 #22 PVC FS PVC
1477A 0105000	5,000 FT	1,695.000 LB	BLACK	C Z	12 FS PR #18 +1 #22 PVC FS PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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