

## 1475A 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
	4	18	7x26	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 9

#### 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 (mm)
PVC - Polyvinyl Chloride	1.3462

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 11.887 mm

#### Pair

##### Pair Color Code Chart:

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

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3	Black & White and Numbered 3
4	Black & White and Numbered 4
Communication	Orange

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	197.335 Kg/Km
Max. Recommended Pulling Tension:	1187.670 N
Min. Bend Radius/Minor Axis:	120.650 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	PLTC, ITC, CMG
CEC/C(UL) Specification:	CMG
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

#### Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202
ICEA Flame Test:	T-29-520

#### Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes

#### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/km)
18 AWG	19.2267
22 AWG	48.2307

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
15.7488

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 33.794 Ohm/km

#### Max. Operating Voltage - UL:

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**Voltage**

300 V RMS

**Max. Recommended Current:**

**Current**

3.5 Amps per conductor @ 25°C

### Notes (Overall)

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

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1475A 0061000	305 MT	58.967 KG	BLUE, LIGHT	C	4 FSPR #18 + 1 #22 PVC FS PVC
1475A 0067500	2,286 MT	455.862 KG	BLUE, LIGHT	C	4 FSPR #18 + 1 #22 PVC FS PVC
1475A 0105000	1,524 MT	306.176 KG	BLACK	C Z	4 FS PR #18 + 1 #22 PVC FS PVC
1475A 0107500	2,286 MT	455.862 KG	BLACK	C Z	4 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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