



For more Information  
please call

1-800-Belden1



### General Description:

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, overall Beldfoil shield (100% coverage), PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	8	16	7x24	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 17

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.432

#### 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
16	7x24	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 Cabling Lay Length & Direction:

Length (mm)
222.249125

Overall Nominal Diameter: 16.078 mm

#### 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
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
Communication Wire	Orange

Pair Lay Length & Direction:

Lay Length (mm)
76.200
76.200

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 360.144 Kg/Km

## 1485A Multi-Conductor - 300V Power-Limited Tray Cable

Max. Recommended Pulling Tension:	2700.057 N
Min. Bend Radius/Minor Axis:	158.750 mm

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 105°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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:	UL 1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

#### Suitability

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)
16 AWG	12.0413
22 AWG	48.2307

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
10.1711

#### Max. Operating Voltage - UL:

Voltage
300 V RMS

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1485A 0107500	7,500 FT	2,040.000 LB	BLACK	C Z	8 PR #16 + 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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**METRIC MEASUREMENT VERSION**

## **1485A Multi-Conductor - 300V Power-Limited Tray Cable**

product.  
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.