

1471A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information
please call

1-800-Belden1

**General Description:**

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

# Conductors	# Pairs	AWG	Stranding	Conductor Material
	24	18	7x26	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 49

Insulation**Insulation Material:**

Insulation Material
PVC - Polyvinyl Chloride

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	1.8796

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 24.028 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
9	Black & White and Numbered 9
10	Black & White and Numbered 10
11	Black & White and Numbered 11
12	Black & White and Numbered 12
13	Black & White and Numbered 13

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14	Black & White and Numbered 14
15	Black & White and Numbered 15
16	Black & White and Numbered 16
17	Black & White and Numbered 17
18	Black & White and Numbered 18
19	Black & White and Numbered 19
20	Black & White and Numbered 20
21	Black & White and Numbered 21
22	Black & White and Numbered 22
23	Black & White and Numbered 23
24	Black & White and Numbered 24
Communication	Orange

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
Bulk Cable Weight:	712.550 Kg/Km
Max. Recommended Pulling Tension:	4915.260 N
Min. Bend Radius/Minor Axis:	234.950 mm

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
CEC/C(UL) Specification:	CMG
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:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

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)

Surface Printing:	BELDEN 1471A E34972 24PR18 1C22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.2267

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
13.124

Max. Operating Voltage - UL:

Voltage
300 V RMS

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1471A 0102500	2,500 FT	1,360.000 LB	BLACK	C Z	18/24 PR PLTC OS
1471A 0105000	5,000 FT	2,950.000 LB	BLACK	C Z	24 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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