

1529A 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
	3	18	7x26	BC - Bare Copper
1		22	7x30	BC - Bare Copper

Total Number of Conductors: 7

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	1.3462

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 10.668 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
Communication	Orange

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 130.962 Kg/Km

Max. Recommended Pulling Tension: 733.953 N

Min. Bend Radius/Minor Axis: 106.680 mm

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG, ITC-ER, PLTC-ER
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CEC/C(UL) Specification:	CMG
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EU Directive 2011/65/EU (ROHS II):	Yes
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EU CE Mark:	Yes
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EU Directive 2000/53/EC (ELV):	Yes
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EU Directive 2002/95/EC (RoHS):	Yes
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EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
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EU Directive 2002/96/EC (WEEE):	Yes
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EU Directive 2003/11/EC (BFR):	Yes
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CA Prop 65 (CJ for Wire & Cable):	Yes
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MII Order #39 (China RoHS):	Yes
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Flame Test

UL Flame Test:	UL1685 FT4 Loading
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CSA Flame Test:	FT4
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IEEE Flame Test:	1202
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Suitability

Suitability - Indoor:	Yes
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Suitability - Outdoor:	Yes
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Suitability - Burial:	Yes
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Sunlight Resistance:	Yes
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Plenum/Non-Plenum

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

Surface Printing:	LEGEND: BELDEN 1529A E34972 3PR18 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. Inductance:

Inductance (μH/m)
0.571

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
114.835

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
177.174

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.2267

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
15.8472

Max. Operating Voltage - UL:

Voltage

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300 V RMS

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1529A 0107500	7,500 FT	757.500 LB	BLACK	C Z	3 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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