

**9409 Multi-Conductor - 300V Power-Limited Tray Cable**

For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, unshielded, PVC jacket.

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

# Pairs	AWG	Stranding	Conductor Material
1	18	19x30	TC - Tinned Copper

Total Number of Conductors: 2

**Insulation****Insulation Material:**

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

**Insulation Color Code Chart:**

Number	Color
1	Black & Red

**Outer Shield****Outer Shield Material:**

Outer Shield Material
Unshielded

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.9398

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 5.842 mm

**Mechanical Characteristics (Overall)**

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

Bulk Cable Weight: 40.181 Kg/Km

Max. Recommended Pulling Tension: 115.653 N

Min. Bend Radius/Minor Axis: 58.420 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 80°C)

EU Directive 2011/65/EU (ROHS II): Yes

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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 &amp; Cable): Yes

MII Order #39 (China RoHS): Yes

## Flame Test

UL Flame Test: UL1685 UL Loading

CSA Flame Test: FT4

IEEE Flame Test: 1202

## Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: Yes

Sunlight Resistance: Yes

## Plenum/Non-Plenum

Plenum (Y/N): No

## Surface Printing (Overall)

Surface Printing:

 LEGEND: BELDEN 9409 E34972 1PR18 (UL) CMG 105C OR PLTC OR ITC  
 SUN RES OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE 1202 (2 FT,  
 7 DIGIT SEQUENTIAL NUMBER) FEET

## Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

85.306

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

19.5548

Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	PLTC, CMG
150 V RMS	ITC

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9409 0602500	2,500 FT	70.000 LB	CHROME	Z	2 #18 PVC PVC
9409 0605000	5,000 FT	135.000 LB	CHROME	C Z	2 #18 PVC 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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