

METRIC MEASUREMENT VERSION



9407 Multi-Conductor - 300V Power-Limited Tray Cable

For more Information
please call

1-800-Belden1



General Description:

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, unshielded, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.432	1.575

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.940

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 5.029 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Pair Lay Length & Direction:

Lay Length (mm)	Twists (twist/m)
50.8	19.686

Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 24.853 Kg/Km

Max. Recommended Pulling Tension: 84.516 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

9407 Multi-Conductor - 300V Power-Limited Tray Cable

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
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
C(UL) Flame Test:	FT4

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	No
Sunlight Resistance:	Yes

Plenum/Non-Plenum

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

Surface Printing:	BELDEN 9407 E34972 1PR22 (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
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
90

Nom. Inductance:

Inductance (µH/m)
0.68901

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
85.306

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
49.215

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
5.8 Amps per conductor @ 25°C

Put Ups and Colors:

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Item #	Putup	Ship Weight	Color	Notes	Item Desc
9407 060U1000	1,000 FT	19.000 LB	CHROME		2 #22 PVC PVC
9407 060U500	500 FT	10.000 LB	CHROME		2 #22 PVC PVC
9407 0602500	2,500 FT	47.500 LB	CHROME	Z	2 #22 PVC PVC

Notes:

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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