

## 9389 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, individually shielded (100% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
6	18	19x30	TC - Tinned Copper

Total Number of Conductors: 12

#### Insulation

##### Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

#### Inner Shield

##### Inner Shield Material:

Inner Shield Trade Name	Type	Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

##### Inner Shield Drain Wire AWG:

AWG
20

Inner Shield Drain Wire Stranding: 19x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

#### Outer Shield

##### Outer Shield Material:

Outer Shield Material
Unshielded

#### 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:

Direction
Left-hand Lay

Overall Nominal Diameter: 13.589 mm

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red #1
2	Black & Red #2
3	Black & Red #3

4	Black & Red #4
5	Black & Red #5
6	Black & Red #6

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	266.388 Kg/Km
Max. Recommended Pulling Tension:	1957.208 N
Min. Bend Radius/Minor Axis:	137.160 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
C(UL) 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 9389 E34972 6PR18 SHIELDED (UL) CMG 105C OR PLTC OT ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE1202 (2FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.59058
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#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	367.472
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METRIC MEASUREMENT VERSION

## 9389 Multi-Conductor - 300V Power-Limited Tray Cable

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
200.141

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
19.5548

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 27.232 Ohm/km

### Max. Operating Voltage - UL:

Voltage
300 V RMS (PLTC CMG)
150 V RMS (ITC)

### Max. Recommended Current:

Current
5.7 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9389 0601000	1,000 FT	192.000 LB	CHROME	C	6 FSPR #18 PVC PVC
9389 0602500	2,500 FT	497.500 LB	CHROME	Z	6 FSPR #18 PVC PVC
9389 060500	500 FT	94.000 LB	CHROME	C	6 FSPR #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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