Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





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 Ty		Inner Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Inner Shield Drain Wire AWG:

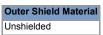


Inner Shield Drain Wire Stranding: 19x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:



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

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

Mechanical Chara	acteristics (Overall)						
Operating Temp	erature Range:	-30°C To +105°C					
UL Temperature	Rating:	105°C					
Bulk Cable Weig	ıht:	266.388 Kg/Km					
Max. Recommended Pulling Tension:		1957.208 N					
Min. Bend Radius/Minor Axis:		137.160 mm					
Applicable Specif	Applicable Specifications and Agency Compliance (Overall)						
Applicable Standards & Environmental Programs							
NEC/(UL) Specif	ication:	CMG, ITC-ER, PLTC-ER					
CEC/C(UL) Spec	ification:	CMG					
EU Directive 201	1/65/EU (ROHS II):	Yes					
EU CE Mark:		Yes					
EU Directive 200	00/53/EC (ELV):	Yes					
EU Directive 200)2/95/EC (RoHS):	Yes					
EU RoHS Compl	liance Date (mm/dd/yyyy):	04/01/2005					
EU Directive 200)2/96/EC (WEEE):	Yes					
EU Directive 200	03/11/EC (BFR):	Yes					
CA Prop 65 (CJ	for Wire & Cable):	Yes					
MII Order #39 (C	hina RoHS):	Yes					
Flame Test							
UL Flame Test:		UL1685 FT4 Loading					
C(UL) Flame Tes	st:	FT4					
IEEE Flame Test	::	1202					
Suitability							
Suitability - Indo	oor:	Yes					
Suitability - Outo	door:	Yes					
Suitability - Buri	al:	Yes					
Sunlight Resista	ince:	Yes					
Plenum/Non-Plenum							
Plenum (Y/N):		No					
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) CMGFT4 IEEE1202 (2FT, 7 DIGIT SEQUENTIAL NUMBER) FEET					

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 367.472

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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

27.232 Ohm/km

Deg. C:

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	С	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	С	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.

Revision Number: 3 Revision Date: 08-05-2016

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