Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION





9390 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.

18

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs AWG		Stranding	Conductor Material		
9	18	19x30	TC - Tinned Copper		

Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

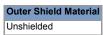


Inner Shield Drain Wire Stranding: 19x32

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	1.6256

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 16.485 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

Page 1 of 3 11-08-2019

Detailed Specifications & Technical Data





9390 Multi-Conductor - 300V Power-Limited Tray Cable

7	Black & Red #7
8	Black & Red #8
9	Black & Red #9

Mechanical Characteristics (Overall)					
Operating Temperature Range:	-30°C To +105°C				
UL Temperature Rating:	105°C				
Bulk Cable Weight:	395.861 Kg/Km				
Max. Recommended Pulling Tension:	2962.501 N				
Min. Bend Radius/Minor Axis:	165.100 mm				
Applicable Specifications and Agency Compliance (Overall)					
Applicable Standards & Environmental Progr					
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				
IEEE Flame Test:	1202				
Suitability					
Suitability - Indoor:	Yes				
Suitability - Outdoor:	Yes				
Suitability - Burial:	Yes				
Sunlight Resistance:	Yes				
Plenum/Non-Plenum					
Plenum (Y/N):	No				
Surface Printing (Overall)					
Surface Printing:	BELDEN 9390 E34972 9PR18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMGFT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET				

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.59058

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)

Page 2 of 3 11-08-2019

Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9390 Multi-Conductor - 300V Power-Limited Tray Cable

367.472

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:

Current4.1 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9390 0601000	1,000 FT	0.000 LB	CHROME	С	9 FSPR #18 PVC PVC
9390 060500	500 FT	141.000 LB	CHROME	С	9 FSPR #18 PVC PVC

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 02-18-2016

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Page 3 of 3 11-08-2019