Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



9565 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information please call

1-800-Belden1



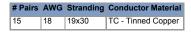
General Description:

18 AWG pairs stranded (19x30) tinned copper conductors, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

30

Physical Characteristics (Overall) Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

Insulation Material PVC - Polyvinyl Chloride

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.829

Outer Jacket Ripcord:

Overall Cable

Overall Nominal Diameter:

18.771 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red and Numbered 1
2	Black & Red and Numbered 2
3	Black & Red and Numbered 3
4	Black & Red and Numbered 4
5	Black & Red and Numbered 5
6	Black & Red and Numbered 6
7	Black & Red and Numbered 7
8	Black & Red and Numbered 8
9	Black & Red and Numbered 9
10	Black & Red and Numbered 10
11	Black & Red and Numbered 11
12	Black & Red and Numbered 12
13	Black & Red and Numbered 13
14	Black & Red and Numbered 14
15	Black & Red and Numbered 15

Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	441.995 Kg/Km
Max. Recommended Pulling Tension:	2846.848 N

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Min. Bend Radius/Minor Axis:	190.500 mm
oplicable Specifications and Agency Comp	liance (Overall)
pplicable 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
lame Test	
UL Flame Test:	UL1685 FT4 Loading
C(UL) Flame Test:	FT4
IEEE Flame Test:	1202
uitability	
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Burial:	Yes
Sunlight Resistance:	Yes
lenum/Non-Plenum	
Plenum (Y/N):	No

S

Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (µH/m) 0.55777

Nom. Capacitance Conductor to Shield:

Capacitance (pF/m) 177.174

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m) 114.835

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km) 19.5548

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km) 29.529

Max. Operating Voltage - UL:

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

Max. Recommended Current:

4.5 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9565 0601000	1,000 FT	347.000 LB	CHROME	С	15 PR #18 PVC SH PVC

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9565 060500	500 FT	180.500 LB	CHROME	С	15 PR #18 PVC SH PVC
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Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-17-2015

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