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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.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
6	3	18	19x30	TC - Tinned Copper

#### Insulation

Insulation Material:

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

Insulation Color Code Chart:

Number	Color
1	Black & Red and Numbered 1
2	Black & Red and Numbered 2
3	Black & Red and Numbered 3

#### 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	1.3462

Outer Jacket Ripcord: Yes

#### Overall Cable

Overall Nominal Diameter: 10.439 mm

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-30°C To +105°C
UL Temperature Rating:	105°C
Bulk Cable Weight:	122.032 Kg/Km
Max. Recommended Pulling Tension:	346.960 N
Min. Bend Radius/Minor Axis:	104.140 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

## METRIC MEASUREMENT VERSION

## 9553 Multi-Conductor - 300V Power-Limited Tray Cable

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 UL Loading
CSA 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)

## Electrical Characteristics (Overall)

### Nom. Inductance:

Inductance ( $\mu\text{H/m}$ )
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)
19.227

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
19.227

### Max. Operating Voltage - UL:

Voltage	Description
300 V RMS	PLTC, CMG
150 V RMS	ITC

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9553 0601000	1,000 FT	97.000 LB	CHROME	C	3 PR #18 PVC SH PVC
9553 060500	500 FT	49.000 LB	CHROME	C	3 PR #18 PVC SH PVC
9553 0605000	5,000 FT	505.000 LB	CHROME	Z	3 PR #18 PVC SH 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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