



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.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	# Pairs	AWG	Stranding	Conductor Material
8	4	18	19x30	TC - Tinned Copper

#### Insulation

##### Insulation Material:

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

#### 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 Cabling Lay Length & Direction:

Direction
Left-hand Lay

Overall Nominal Diameter: 11.836 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

### Mechanical Characteristics (Overall)

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 148.820 Kg/Km

Max. Recommended Pulling Tension: 462.613 N

## 9554 Multi-Conductor - 300V Power-Limited Tray Cable

Min. Bend Radius/Minor Axis:	114.300 mm
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### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

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 Vertical Tray Flame Test
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)

Surface Printing:	LEGEND: BELDEN 9554 E34972 4PR 18 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL)
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### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/m)	0.55777
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#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/m)	177.174
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#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)	114.835
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#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)	19.227
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#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)	19.227
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## 9554 Multi-Conductor - 300V Power-Limited Tray Cable

### Max. Operating Voltage - UL:

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

### Notes (Overall)

Notes: 0.513" Max Average Diameter

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9554 0601000	1,000 FT	122.000 LB	CHROME	C	4 PR #18 PVC SHLD PVC
9554 060500	500 FT	60.500 LB	CHROME	C	4 PR #18 PVC SHLD PVC
9554 0605000	5,000 FT	635.000 LB	CHROME	C	4 PR #18 PVC SHLD PVC

#### Notes:

C = CRATE REEL PUT-UP.

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