

METRIC MEASUREMENT VERSION

**76506TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLex Life Cycles**



For more Information  
please call

1-800-Belden1

## General Description:

26 AWG stranded (7x34) tinned copper conductors, PVC insulation, aluminum/polyester foil shield, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

# Pairs	AWG	Stranding	Conductor Material	Dia. (mm)
6	26	7x34	TC - Tinned Copper	0.483

Total Number of Conductors: 12

### Insulation

#### Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.254	0.991

### Outer Shield

#### Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Foil Shield	Alum/Mylar	100.000
Braid	Tinned Copper	85.000

#### Outer Shield Drain Wire AWG:

Component	AWG	Stranding	Drain Wire Conductor Material
Drain Wire	26	7x34	TC - Tinned Copper

Outer Shield Separator Material: Tissue Tape, 25&#37; Overlap, Min.

### Outer Jacket

#### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.016

### Overall Cable

Overall Nominal Diameter: 7.950 mm

### Pair

#### Pair Color Code Chart:

Number	Color
1	BLACK-RED
2	BLACK-WHITE
3	BLACK-GREEN
4	BLACK-BLUE
5	BLACK-BROWN
6	BLACK-YELLOW

## Mechanical Characteristics (Overall)

Bulk Cable Weight: 83.339 Kg/Km

Max. Recommended Pulling Tension: 155.687 N

Min. Bend Radius/Minor Axis: 78.740 mm

Min. Bend/Installation: 78.740 mm

Min. Bend Radius (Continuous Flexing): 119.380 mm

Flex Cycle Rating: 6 Million Flexes

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

<b>NEC/(UL) Specification:</b>	CM
<b>AWM Specification:</b>	UL Style 20006
<b>CSA Specification:</b>	600 V AWM I/II A/B
<b>EU Directive 2011/65/EU (ROHS II):</b>	Yes
<b>Other Specification:</b>	AWM/STYLE 10002, AWM/STYLE 2661, CM, AWM I/II A/B, C(UL) TYPE CMG, FT4, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2)

### Flame Test

<b>CSA Flame Test:</b>	FT4
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### Suitability

<b>Sunlight Resistance:</b>	Yes
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Characteristic Impedance	89.000

### Nom. Inductance:

Inductance (µH/m)
0.656

### Nom. Capacitance Cond. to Other Cond. & Ground:

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	70.213
Ground Capacitance	1.000	127.959

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
137.802

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
8.531

## Notes (Overall)

**Notes:** Temperature Range -10 to 105°C(static), +5 to 105°C (dynamic)

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
76506TS 008100	100 FT	9.100 LB	GRAY		26 AWG/6 PAIR MINI DIAMETER
76506TS 0081000	1,000 FT	60.000 LB	GRAY		26 AWG/6 PAIR MINI DIAMETER

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