

## 76514TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEflex 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. (in.)
14	26	7x34	TC - Tinned Copper	0.019

Total Number of Conductors:

28

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.010	0.039

**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 (in.)
PVC - Polyvinyl Chloride	0.053

**Overall Cable**

Overall Nominal Diameter:

0.426 in.

**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
7	BLACK-ORANGE
8	RED-GREEN
9	RED-WHITE
10	RED-BLUE
11	RED-YELLOW
12	RED-BROWN
13	RED-ORANGE
14	GREEN-BLUE

**Mechanical Characteristics (Overall)**

Bulk Cable Weight: 102 lbs/1000 ft.

Max. Recommended Pulling Tension: 72 lbs.

Min. Bend Radius/Minor Axis: 4.300 in.

Min. Bend/Installation: 4.300 in.

Min. Bend Radius (Continuous Flexing): 6.400 in.

Flex Cycle Rating: 6 Million Flexes

**76514TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLeX Life Cycles****Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	CM
AWM Specification:	UL Style 20006
CSA Specification:	600 V AWM I/II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
Other Specification:	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**

CSA Flame Test:	FT4
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**Suitability**

Sunlight Resistance:	Yes
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**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Description	Impedance (Ohm)
Characteristic Impedance	89.000

**Nom. Inductance:**

Inductance (μH/ft)
0.200

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

Description	Freq. (kHz)	Capacitance (pF/ft)
Mutual Capacitance	1.000	21.400
Ground Capacitance	1.000	39.000

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
42.000

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)
2.030

**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
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