

METRIC MEASUREMENT VERSION

## 76501TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLex Life Cycles

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## **General Description:**

AWM Specification:

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. (m	ım)
1 26 7x34 TC - Tinned Copper 0.483	
Total Number of Conductors:	2
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% Overlap, Min.
Outer Jacket Outer Jacket Material: Outer Jacket Material Nom. Wall Thickness (mm) PVC - Polyvinyl Chloride 1.016	
Overall Cable Overall Nominal Diameter:	4.928 mm
Pair	
Pair Color Code Chart:	
Number Color1BLACK-RED	
Mechanical Characteristics (Overall)	
Bulk Cable Weight:	35.717 Kg/Km
Max. Recommended Pulling Tension:	40.923 N
Min. Bend Radius/Minor Axis:	48.260 mm
Min. Bend/Installation:	48.260 mm
Min. Bend Radius (Continuous Flexing):	73.660 mm
Flex Cycle Rating:	6 Million Flexes
Applicable Specifications and Agency Co	ompliance (Overall)
Applicable Standards & Environmental Prog	• • •
NEC/(UL) Specification:	СМ

UL Style 20006

# **Detailed Specifications & Technical Data**



#### METRIC MEASUREMENT VERSION

### 76501TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLex Life Cycles

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			
Suitability				
Sunlight Resistance:	Yes			
Characteristic Impedance 62.000 Jom. Inductance: Inductance (µH/m) 0.656				
Nom. Capacitance Cond. to Other Cond. & Ground	:			
Description Freq. (kHz) Capacitance (pF/m)				
Mutual Capacitance 1.000 101.711				
Ground Capacitance 1.000 183.736				
Nom. Conductor DC Resistance:				
DCR @ 20°C (Ohm/km)				
134.521				
Nominal Outer Shield DC Resistance:				
DCR @ 20°C (Ohm/km)				
19.358				

#### 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
76501TS 008100	100 FT	4.000 LB	GRAY		26 AWG/1 PAIR MINI DIAMETER
76501TS 0081000	1,000 FT	25.000 LB	GRAY		26 AWG/1 PAIR MINI DIAMETER

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