

## METRIC MEASUREMENT VERSION

76401TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEXT Life Cycles


 For more Information  
 please call

1-800-Belden1

## General Description:

28 AWG stranded (7x36) 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)
1	28	7x36	TC - Tinned Copper	0.381

Total Number of Conductors:

2

## Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.254	0.889

## 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, 25x37; Overlap, Min.

## Outer Jacket

Outer Jacket Material:

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

## Overall Cable

Overall Nominal Diameter:

4.724 mm

## Pair

Pair Color Code Chart:

Number	Color
1	BLACK-RED

## Mechanical Characteristics (Overall)

Operating Temperature Range:	Flexing: -5°C To +90°C
UL Temperature Rating:	105C
Bulk Cable Weight:	32.740 Kg/Km
Max. Recommended Pulling Tension:	33.806 N
Min. Bend Radius/Minor Axis:	48.260 mm
Min. Bend/Installation:	48.260 mm
Min. Bend Radius (Continuous Flexing):	70.866 mm
Flex Cycle Rating:	6 Million Flexes

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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



METRIC MEASUREMENT VERSION

76401TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEflex Life Cycles

CSA Flame Test:	FT 14
Suitability	
Sunlight Resistance:	Yes

Electrical Characteristics (Overall)

**Nom. Characteristic Impedance:**

Description	Impedance (Ohm)
Characteristic Impedance	70.000

**Nom. Inductance:**

Inductance (µH/m)
0.722

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

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	88.587
Ground Capacitance	1.000	160.769

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)
213.265

**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
--------	-------	-------------	-------	-------	-----------

Revision Number: 0    Revision Date: 09-27-2017

© 2017 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability. Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sales of Belden products are subject to Belden's standard terms and conditions of sale.