

METRIC MEASUREMENT VERSION

76705TS 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:

22 AWG stranded (19x34) 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)
5	22	19x34	TC - Tinned Copper	0.813

Total Number of Conductors: 10

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.254	1.321

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: 8.890 mm

Pair

Pair Color Code Chart:

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

Mechanical Characteristics (Overall)

Bulk Cable Weight: 113.103 Kg/Km

Max. Recommended Pulling Tension: 302.478 N

Min. Bend Radius/Minor Axis: 88.900 mm

Min. Bend/Installation: 88.900 mm

Min. Bend Radius (Continuous Flexing): 134.620 mm

Flex Cycle Rating: 6 Million Flexes

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
------------------------	-----

Suitability

Sunlight Resistance:	Yes
-----------------------------	-----

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Characteristic Impedance	67.000

Nom. Inductance:

Inductance (µH/m)
0.558

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

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	95.149
Ground Capacitance	1.000	170.612

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.184

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
9.843

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
76705TS 008100	100 FT	11.100 LB	GRAY		22 AWG/5 PAIR MINI DIAMETER
76705TS 0081000	1,000 FT	81.000 LB	GRAY		22 AWG/5 PAIR MINI DIAMETER

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

© 2020 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.