

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

76706TS 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)
6	22	19x34	TC - Tinned Copper	0.813

Total Number of Conductors: 12

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: 9.576 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:	130.962 Kg/Km
Max. Recommended Pulling Tension:	355.856 N
Min. Bend Radius/Minor Axis:	96.520 mm
Min. Bend/Installation:	96.520 mm
Min. Bend Radius (Continuous Flexing):	144.780 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

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Other Specification: AWM/SI YLE 10002, AWM/SI YLE 2661, CM, AWM I/II A/B, C(UL) I TYPE CMG, F-14, 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	73.000

Nom. Inductance:

Inductance (µH/m)
0.558

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

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	85.306
Ground Capacitance	1.000	154.207

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
51.184

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
10.171

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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