

METRIC MEASUREMENT VERSION

76704TS 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)
4	22	19x34	TC - Tinned Copper	0.813

Total Number of Conductors: 8

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: 8.230 mm

Pair**Pair Color Code Chart:**

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

Mechanical Characteristics (Overall)

Bulk Cable Weight: 104.174 Kg/Km

Max. Recommended Pulling Tension: 249.099 N

Min. Bend Radius/Minor Axis: 81.280 mm

Min. Bend/Installation: 81.280 mm

Min. Bend Radius (Continuous Flexing): 124.460 mm

Flex Cycle Rating: 6 Million Flexes

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

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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	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)
8.859

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
76704TS 008100	100 FT	10.500 LB	GRAY		22 AWG/4 PAIR MINI DIAMETER
76704TS 0081000	1,000 FT	75.000 LB	GRAY		22 AWG/4 PAIR MINI DIAMETER
76704TS 008500	500 FT	39.500 LB	GRAY		22 AWG/4 PAIR MINI DIAMETER

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