

76408TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEflex 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. (in.)
8	28	7x36	TC - Tinned Copper	0.015

Total Number of Conductors:

16

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
PVC - Polyvinyl Chloride	0.010	0.035

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 (in.)
PVC - Polyvinyl Chloride	0.040

Overall Cable

Overall Nominal Diameter:

0.331 in.

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
7	BLACK-ORANGE
8	RED-GREEN

Mechanical Characteristics (Overall)

Bulk Cable Weight: 58 lbs/1000 ft.

Max. Recommended Pulling Tension: 31 lbs.

Min. Bend Radius/Minor Axis: 3.300 in.

Min. Bend/Installation: 3.300 in.

Min. Bend Radius (Continuous Flexing): 5 in.

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

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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	97.000

Nom. Inductance:

Inductance (µH/ft)
0.220

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

Description	Freq. (kHz)	Capacitance (pF/ft)
Mutual Capacitance	1.000	19.700
Ground Capacitance	1.000	35.000

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
67.000

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
2.800

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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