

Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

76614TS 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:

24 AWG stranded (10x34) 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)
14	24	10x34	TC - Tinned Copper	0.610

Total Number of Conductors: 28

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)	Dia. (mm)
PVC - Polyvinyl Chloride	0.254	1.118

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	1.346

Overall Cable

Overall Nominal Diameter: 11.760 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
7	BLACK-ORANGE
8	RED-GREEN
9	RED-WHITE
10	RED-BLUE
11	RED-YELLOW
12	RED-BROWN
13	RED-ORANGE
14	GREEN-BLUE

Mechanical Characteristics (Overall)

Bulk Cable Weight:	183.049 Kg/Km
Max. Recommended Pulling Tension:	435.924 N
Min. Bend Radius/Minor Axis:	116.840 mm
Min. Bend/Installation:	116.840 mm
Min. Bend Radius (Continuous Flexing):	175.260 mm
Flex Cycle Rating:	6 Million Flexes

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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
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Suitability

Sunlight Resistance:	Yes
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Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Description	Impedance (Ohm)
Characteristic Impedance	82.000

Nom. Inductance:

Inductance (µH/m)
0.623

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

Description	Freq. (kHz)	Capacitance (pF/m)
Mutual Capacitance	1.000	75.791
Ground Capacitance	1.000	137.802

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
98.430

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
7.382

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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