

For more Information
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1-800-Belden1



General Description:

24 AWG stranded (45x40) BC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (65% coverage), cotton spiral, EPDM jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
2	24	45x40	Bare Copper Alloy	0.6096

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	1.626

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Conductive Textile	100
2	Braid	TC - Tinned Copper	65
3	Spiral Serve	Cotton	

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	0.508

Overall Cable

Overall Nominal Diameter: 5.080 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 37.205 Kg/Km

Max. Recommended Pulling Tension: 213.514 N

Min. Bend Radius/Minor Axis: 50.800 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

EU Directive 2002/95/EC (RoHS): No

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)
55

Nom. Inductance:

METRIC MEASUREMENT VERSION

9399 Multi-Conductor - Two-Conductor, Low-Impedance Cables

Inductance (µH/m)

0.062339

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

98.43

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

180.455

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

94.1647

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

37.3378

Max. Operating Voltage - Non-UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9399 001500	500 FT	12.500 LB	BROWN	C	2 #24 EPDM BRD EPDM

Notes:

C = CRATE REEL PUT-UP.

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