

8406 Multi-Conductor - Three-Conductor, Low-Impedance Cable



For more Information
please call

1-800-Belden1

General Description:

24 AWG stranded (45x40) TC alloy conductors, EPDM rubber insulation, conductive textile wrap (100% coverage), TC braid shield (60% coverage), cotton serve, EPDM rubber jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material	Dia. (mm)
3	24	45x40	Tinned Copper Alloy	0.6096

Total Number of Conductors: 3

Insulation

Insulation Material:

Insulation Material	Dia. (mm)
EPDM - Ethylene Propylene Diene Monomer Rubber	1.651

Outer Shield

Outer Shield Material:

Layer #	Type	Outer Shield Material	Coverage (%)
1	Tape	Conductive Textile	100
2	Braid	TC - Tinned Copper	60
3	Spiral Serve	Cotton	100

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
EPDM - Ethylene Propylene Diene Monomer Rubber

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 5.664 mm

Mechanical Characteristics (Overall)

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

Non-UL Temperature Rating: 90°C

Bulk Cable Weight: 49.111 Kg/Km

Max. Recommended Pulling Tension: 298.029 N

Min. Bend Radius/Minor Axis: 57.150 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. 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 - 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
8406 010100	100 FT	4.100 LB	BLACK		3 #24 CS EPDM BRD CS SBR
8406 010500	500 FT	16.500 LB	BLACK		3 #24 CS EPDM BRD,CS SBR

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