

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



For more Information
please call

1-800-Belden1

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. (in.)
3	24	45x40	Tinned Copper Alloy	.024

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)	Dia. (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.016	.065

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	Nom. Wall Thickness (in.)
EPDM - Ethylene Propylene Diene Monomer Rubber	.025

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black
2	Red
3	White

Overall Nominal Diameter: 0.223 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Non-UL Temperature Rating:	90°C
Bulk Cable Weight:	33 lbs/1000 ft.
Max. Recommended Pulling Tension:	67 lbs.
Min. Bend Radius (Install)/Minor Axis:	2.250 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU CE Mark:	Yes
EU Directive 2002/95/EC (RoHS):	No

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

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Capacitance (pF/ft)

30

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

55

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

28.7

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.38

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

2.2 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

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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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.