Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

7447AS Multi-Conductor - 600V FCC Control Cables for Moderate Flexing

For more Information
please call

1-800-Belden1

Description:

10 AWG stranded (105x30) bare copper conductors, PVC insulation, tinned copper braid shield (85% coverage), PVC inner jacket, oil- and abrasion-resistant PVC outer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	10	105x30	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.030

Insulation Resistance:	6.1 Megaohms/1000 ft minimum

Inner Jacket

Inner Jacket Material:

Inner Jacket Material	Nom Wall (in.)
PVC - Polyvinyl Chloride	.035

Outer Shield

Outer Shield Material:

Type	Outer Shield Material	Coverage (%)
Braid	TC - Tinned Copper	85

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.065

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	Black printed #1
2	Black printed #2
3	Black printed #3
4	Green/Yellow

Overall Nominal Diameter:	0.660 in.

Mechanical Characteristics (Overall)

Operating Temperature Range:	-40°C To +90°C
Other Temperature Range:	Flexing: -5°C To +90°C
UL Temperature Rating:	90°C (UL AWM Style 2587)
Bulk Cable Weight:	350 lbs/1000 ft.
Max. Recommended Pulling Tension:	546 lbs.
Min. Bend Radius (Install)/Minor Axis:	6.600 in.

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Min. Bend Radius (Continuous Flexing):	10 in.
Flex Cycle Rating:	1 Million

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	AWM I/II A/B
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Flame Test

UL Flame Test:	VW-1
C(UL) Flame Test:	FT1

Suitability

Oil Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
1.0

Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 2587)

Related Documents:

No related documents are available for this product

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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