Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION

7102A Multi-Conductor - 600V C-TC+ Control Cables for Extreme Flexing

No longer Available
1-800-BELDEN1

For more Information please call

1-800-Belden1

General Description:

20 AWG stranded (74x38) bare copper conductors, PVC insulation, Unshielded, Oil- and Abrasion-resistant PVC Jacket.

Physical Characteristics (Overall)

Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
4	20	74x38	BC - Bare Copper

Total Number of Conductors:	4

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.508

Insulation Resistance:	6.1 Megaohms/1000 ft. minimum

Outer Shield

Outer Shield Material:

Outer Shield Material
Unshielded

Outer Jacket

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (mm)
PVC - Polyvinyl Chloride	1.143

Overall Cable

Overall Nominal Diameter:	7.493 mm

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:	72.922 Kg/Km
Max. Recommended Pulling Tension:	262.444 N
Min. Bend Radius (Continuous Flexing):	69.850 mm
Flex Cycle Rating:	9 Million Flexes

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

AWM Specification:	UL Style 2587 (600 V 90°C)
CSA Specification:	AWM I A/B II A/B
EU Directive 2011/65/EU (ROHS II):	Yes
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

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Flame Test

UL Flame Test:	UL1685 UL Loading, VW-1

Suitability

Oil Resistance:	Yes

Plenum/Non-Plenum

Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
28.8728

Max. Operating Voltage - UL:

Voltage
600 V RMS (UL AWM Style 2587)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

Revision Number: 1 Revision Date: 02-05-2013