

7107A Non-Paired - 600V C-TC+ Control Cables for Extreme Flexing

		<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Conductors	18
Total Number of Conductors	18
AWG	20
Stranding	74x38
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
Nom. Insulation Wall Thickness	.020 in.
Insulation Resistance	6.1 Megaohms/1000 ft. minimum

Insulation Color Code Chart :

Number	Color	Number	Color
1	Red #1	10	Red #10
2	Red #2	11	Red #11
3	Red #3	12	Red #12
4	Red #4	13	Red #13
5	Red #5	14	Red #14
6	Red #6	15	Red #15
7	Red #7	16	Red #16
8	Red #8	17	Red #17
9	Red #9	18	Green/Yellow

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.065 in.

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.545 in.
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MECHANICAL CHARACTERISTICS:

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	184 lbs/1000 ft.
Max. Recommended Pulling Tension	260 lbs.
Min. Bend Radius (Continuous Flexing)	5.4 in.
Flex Cycle Rating	9 Million Flexes

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

AWM Specification	UL Style 2587 (600 V 90°C)
CSA Specification	AWM I A/B II A/B
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	10/01/2005

FLAME TEST:

UL Flame Test	UL1685 UL Loading, VW-1
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SUITABILITY:

Oil Resistance	Yes
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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Conductor DC Resistance @ 20 Deg. C	8.8 Ohms/1000 ft
Max. Operating Voltage - UL	600 V RMS (UL AWM Style 2587)

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
7107A 003250	18C 20 74/38 BC PVC PVC	250	50	ORANGE	C Z
7107A 003500	18C 20 74/38 BC PVC PVC	500	101	ORANGE	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 10-10-2005

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