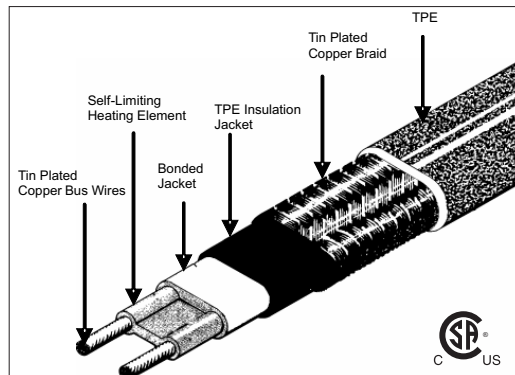


Data Sheet RX-C Self-Regulating Cable

General Information



The Danfoss RX-C self-regulating heating cable provides a continuous drain path for melting ice and snow to leave a roof through the gutters and into the down spouts. The power output of the conductive core material increases or decreases in response to ambient temperature changes and occurs at every point along the length of the cable. Two jackets, an inner jacket bonded to the core and a thermoplastic elastomer insulation jacket provides excellent dielectric strength and in combination with the over jacket provides excellent moisture resistance and protection from impact and abrasion damage.

RX-C Specifications

Type:	Self-regulating
Voltage:	120-277V
Nominal Power Output:	5 W/ft (15 W/m) , 8 W/ft (26 W/m) , 10 W/ft (33 W/m) @ 50°F
Heating Element Size:	16AWG (1.25 mm ²), tinned copper bus wire; see Table for length
Bending radius:	Minimum 1" (25 mm) on inside of tape
Wire Insulation:	TPE
Outer Insulation :	TPE Jacket (U.V. Stabilized Weatherproof Jacket)
Max. Allowable Temp.:	150°F (65°C) Powered, 185°F (85°C) Unpowered
Min. Use Temperature:	-22°F (-30°C)

Circuit Breaker Selection

		Maximum Installation Length vs. Circuit Breaker Site				ft (m)			
Start- up Temp.		120V				240V*			
Breaker Size		15A	20A	30A	40A	15A	20A	30A	40A
5 W/ft	50°F (+10°C)	197 (67)	262 (80)			475 (145)	532 (162)		
	5°F (-15°C)	148 (45)	200 (61)	262 (80)		300 (93)	410 (125)	525 (160)	
	-15°F (-25°C)	131 (40)	177 (54)	262 (80)		265 (82)	365 (111)	525 (160)	
8 W/ft	50°F (+10°C)	141 (43)	190 (58)	206 (63)		285 (88)	384 (117)	413 (126)	
	5°F (-15°C)	96 (30)	128 (39)	190 (58)	203 (62)	197 (60)	246 (75)	384 (117)	410 (125)
	-15°F (-25°C)	88 (27)	108 (33)	167 (51)	203 (62)	164 (50)	230 (70)	345 (105)	410 (125)
10 W/ft	50°F (+10°C)	108 (33)	148 (45)	177 (54)		230 (70)	295 (90)	354 (108)	
	5°F (-15°C)	82 (25)	108 (33)	150 (46)	174 (53)	165 (50)	213 (65)	312 (95)	345 (105)
	-15°F (-25°C)	72 (22)	98 (30)	141 (43)	174 (53)	148 (45)	190 (58)	279 (85)	345 (105)

*NOTE: Lengths good for 208V and 277V

Ordering Information

5 W/ft	Part No.	Description	Voltage
	088L1422	250 ft. spool	120
	088L1472	1000 ft. spool	120
	088L1432	250 ft. spool	240
	088L1473	1000 ft. spool	240
	088L1462	Cut to order / by ft. (minimum order 25ft.)	120
	088L1463	Cut to order / by ft. (minimum order 25ft.)	240

8 W/ft	Part No.	Description	Voltage
	088L1516	250 ft. spool	120
	088L1517	1000 ft. spool	120
	088L1518	250 ft. spool	240
	088L1519	1000 ft. spool	240
	088L1469	Cut to order / by ft. (minimum order 25ft.)	120
	088L1468	Cut to order / by ft. (minimum order 25ft.)	240

10 W/ft	Part No.	Description	Voltage
	088L1520	250 ft. spool	120
	088L1521	1000 ft. spool	120
	088L1522	250 ft. spool	240
	088L1523	1000 ft. spool	240
	088L1479	Cut to order / by ft. (minimum order 25ft.)	120
	088L1478	Cut to order / by ft. (minimum order 25ft.)	240

Controls

Part No.	Description
088L3036	DS-8 Controller with Remote Snow and Ice Sensor
088L3422	Outdoor Thermostat with Water-tight Enclosure

Accessories

Part No.	Description
088L0006	Power connection kit, cable to power lead, includes one end seal
088L0008	Splice/Tee Kit, includes one end seal
088L0009	Aluminum application tape (75ft.)
088L0023	Power connection kit, cable to box, includes one end seal
088L0412	Warning labels, 10pcs

Warranty

Two year comprehensive extended warranty against defects in material, design, and workmanship.

Technical Services

For technical questions, please contact Danfoss Heating Division North America at 1- 866-676-8062, or via the web at www.LX.Danfoss.com

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