




SLPG-10 (PX-F3) - CSA, SLPG-15/SLIG-18 (PX-F5) - CSA, SLPG-25/26 (PX-F8) - CSA, SLPG-33 (PX-F10) - CSA

The Danfoss SLPG/SLIG (PX-F) self-limiting (self-regulating) heating cables with CSA certification provide the solution to basic freeze protection applications. The self-limiting capability of the cable ensures that the output of the cable increase or decrease according to ambient temperature. The cable will maintain its functionality even when shortened. All self-limiting heating cables must be over-temperature protected by a thermostat, as the output will decrease, but never be zero, and be protected by a RCD with a maximum trip current of 30 mA.

The outer sheath is highly resistant to harsh environmental conditions and corrosion and it also serves as a protection against mechanical influences.

Product specifications

Benefits <ul style="list-style-type: none"> • Cut to length on site • PVC free Approvals:  Standard compliance <ul style="list-style-type: none"> • DIN VDE 0254: 1994-06 	Nominal voltage	120 V AC and 240 V AC
	Nominal output: SLPG-10 (PX-F3) SLPG-15/SLIG-18 (PX-F5)	3 W/ft @ 50 °F (10 W/m @ 10 °C) 5 W/ft @ 50 °F (15 W/m @ 10 °C) 6 W/ft @ 32 °F (18 W/m @ 0 °C)
	SLPG-25 (PX-F8) SLPG-33 (PX-F10)	8 W/ft @ 50 °F (25 W/m @ 10 °C) 10 W/ft @ 50 °F (33 W/m @ 10 °C)
	Maximum permissible use temperature	150 °F (65 °C), powered 185 °F (85 °C), unpowered (1000 hours cumulative)
	Minimum installation temperature	-58 °F (-50 °C)
	Cable dimensions	0,5" × 0,25" (12,6 × 6,3 mm)
	Outer sheath:	TPE
	Screen	Tinned copper braid
	Minimum braid coverage	70%
	Maximum resistance protective braid	18,2 Ω/Km
	Bending diameter, min.	2" (50 mm) (Ø to the inside of the cable)
IP Class	IPX7	

Types: 240 V

Item no.	Type	Color	Length	Number of length allowed per drum	Output tolerance, min-max	EAN no.
088L1100	SLPG-10 (PX-F3), Drum 305 m	Blue	305 m	1	10-15 W/m @ 10 °C	5703466114339
088L1082	SLPG-10 (PX-F3), Cut-to-length	Blue	1-305 m	1	10-15 W/m @ 10 °C	5703466196779
088L1200	SLPG-15 (PX-F5), Drum 305 m	Black	305 m	1	15-20 W/m @ 10 °C	5703466114353
088L1086	SLIG-18 (PX-F5), Cut-to-length	Black	1-305 m	1	15-20 W/m @ 10 °C	5703466196854
088L1105	SLPG-26 (PX-F8), Drum 305 m	Red	305 m	1	25-32,5 W/m @ 10 °C	5703466114322
088L1084	SLPG-25 (PX-F8), Cut-to-length	Red	1-305 m	1	25-32,5 W/m @ 10 °C	5703466196830
088L1039	SLPG-26 (PX-F8), Drum 305 m	Black	305 m	1	25-32,5 W/m @ 10 °C	5703466211953
088L1110	SLPG-33 (PX-F10), Drum 305 m	Brown	305 m	1	30-39 W/m @ 10 °C	5703466114346
088L1080	SLPG-33 (PX-F10), Cut-to-length	Brown	1-305 m	1	30-39 W/m @ 10 °C	5703466196779
088L1040	SLPG-33 (PX-F10), Drum 305 m	Black	305 m	1	30-39 W/m @ 10 °C	5703466211960

Types: 120 V

Item no.	Type	Color	Length	Number of length allowed per drum	Output tolerance, min-max	EAN no.
088L1115	SLPG-10 (PX-F3), Drum 305 m	Blue	305 m	1	10-15 W/m @ 10 °C	5703466144411
088L1205	SLPG-15 (PX-F5), Drum 305 m	Black	305 m	1	15-20 W/m @ 10 °C	5703466144442
088L1041	SLPG-26 (PX-F8), Drum 305 m	Black	305 m	1	25-32,5 W/m @ 10 °C	5703466211977
088L1042	SLPG-33 (PX-F10), Drum 305 m	Black	305 m	1	30-39 W/m @ 10 °C	5703466211984

Maximum heating circuit length on a pipe, with circuit breaker with “C” tripping characteristic

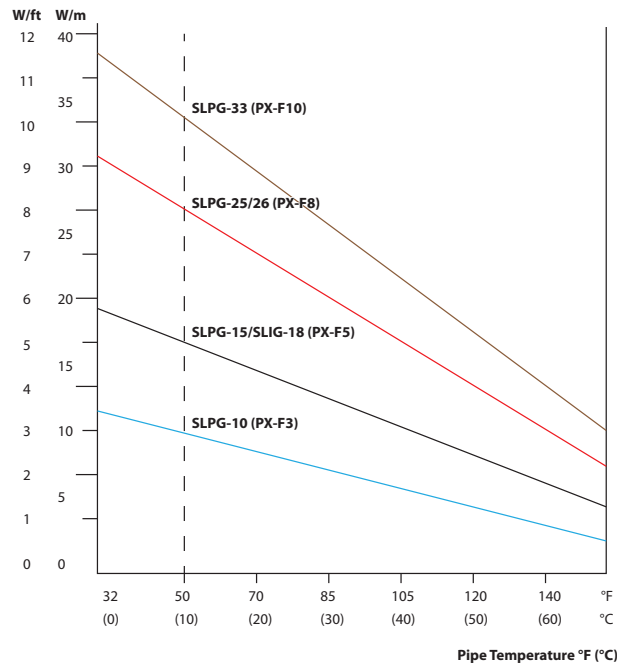
Trace heater type	Power output Start-up temp. °F (°C)	Maximum heating circuit length in ft. (m)								
		Operating Voltage: 120 V AC			Operating Voltage: 208 V AC			Operating Voltage: 240 V AC		
		20 A	30 A	40 A	20 A	30 A	40 A	20 A	30 A	40 A
SLPG-10 (PX-F3)	+50 (+10)	312 (95)	312 (95)	312 (95)	591 (180)	591 (180)	591 (180)	673 (205)	673 (205)	673 (205)
	0 (-18)	295 (90)	312 (95)	312 (95)	551 (168)	591 (180)	591 (180)	597 (182)	640 (195)	640 (195)
	-20 (-29)	246 (75)	312 (95)	312 (95)	476 (145)	591 (180)	591 (180)	505 (154)	623 (190)	640 (195)
	-40 (-40)	240 (73)	312 (95)	312 (95)	420 (128)	558 (170)	591 (180)	479 (146)	623 (190)	640 (195)
SLPG-15/SLIG-18 (PX-F5)	+50 (+10)	262 (80)	262 (80)	262 (80)	486 (148)	492 (150)	492 (150)	525 (160)	525 (160)	525 (160)
	0 (-18)	197 (60)	262 (80)	262 (80)	394 (120)	492 (150)	492 (150)	394 (120)	525 (160)	525 (160)
	-20 (-29)	161 (49)	262 (80)	262 (80)	328 (100)	443 (135)	476 (145)	328 (100)	525 (160)	525 (160)
	-40 (-40)	157 (48)	256 (78)	262 (80)	312 (95)	394 (120)	476 (145)	315 (96)	512 (156)	525 (160)
SLPG-25 (PX-F8)	+50 (+10)	190 (58)	207 (63)	207 (63)	344 (105)	377 (115)	377 (115)	381 (116)	413 (126)	413 (126)
	0 (-18)	125 (38)	184 (56)	207 (63)	246 (75)	312 (95)	344 (105)	246 (75)	374 (114)	413 (126)
	-20 (-29)	105 (32)	177 (54)	207 (63)	203 (62)	289 (88)	322 (98)	210 (64)	348 (106)	404 (123)
	-40 (-40)	98 (30)	164 (50)	207 (63)	190 (58)	272 (83)	302 (92)	197 (60)	328 (100)	387 (118)
SLPG-33 (PX-F10)	+50 (+10)	148 (45)	167 (51)	180 (55)	262 (80)	312 (95)	312 (95)	295 (90)	335 (102)	361 (110)
	0 (-18)	98 (30)	138 (42)	148 (45)	190 (58)	256 (78)	295 (90)	197 (60)	276 (84)	295 (90)
	-20 (-29)	85 (26)	125 (38)	131 (40)	164 (50)	230 (70)	269 (82)	171 (52)	236 (72)	262 (80)
	-40 (-40)	72 (22)	115 (35)	118 (36)	131 (40)	180 (55)	230 (70)	131 (40)	197 (60)	230 (70)

NOTICE 1: RCD of 30 mA is required, max. 500 m of self-limiting heating cable per RCD.

NOTICE 2: If the required trace heater length exceeds the maximum heating circuit length you must install multiple heating circuits.

NOTICE 3: Maximum length in ice water or for roof applications is 2 times lower.

Heating power (output of heating cable installed and measured on a pipe)



Voltage conversion table W/ft (W/m) @ 50°F (10°C)

Cable	208 V	240 V	277 V
SLPG-10 (PX-F3)	2,5 (8,5)	3,0 (10,0)	3,5 (12,5)
SLPG-15/SLIG-18 (PX-F5)	4,0 (13,5)	5 (15,0)	5,5 (17,5)
SLPG-25 (PX-F8)	7,0 (23,0)	8 (25,5)	8,5 (27,5)
SLPG-33 (PX-F10)	9,5 (31,5)	10,0 (33,0)	10,5 (35,0)