



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.

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	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
088L1379	SLIG-18 (PX-F5), Drum 100 m	Black	100 m	1	15-20 W/m @ 10 °C	5703466180969
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
088L1376	SLPG-25 (PX-F8), Drum 100 m	Red	100 m	1	25-32,5 W/m @ 10 °C	5703466180952
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

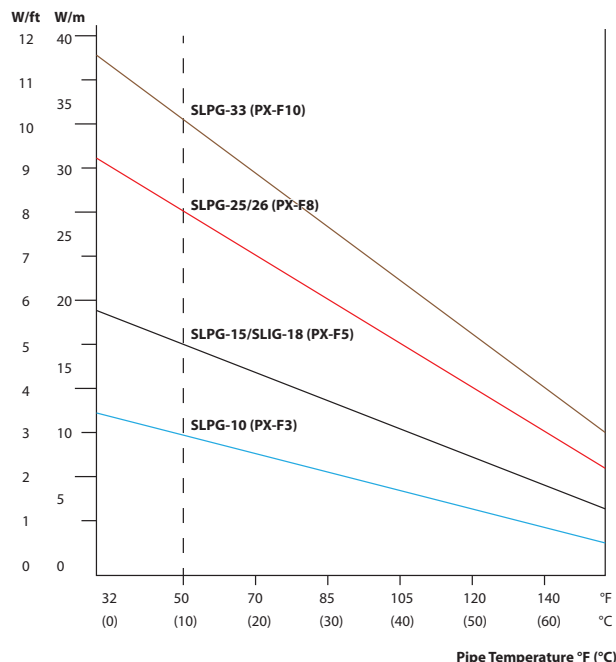
Trace heater type	Power output	Start-up temp. °F (°C)	Maximum heating circuit length in ft. (m)								
			Operating Voltage: 120 V AC			Operating Voltage: 208 V AC			Operating Voltage: 240 V AC		
			20 A	30 A	40 A	20 A	30 A	40 A	20 A	30 A	40 A
SLPG-10 (PX-F3)	+50 (+10)	312 (95)	312 (95)	312 (95)	591 (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)