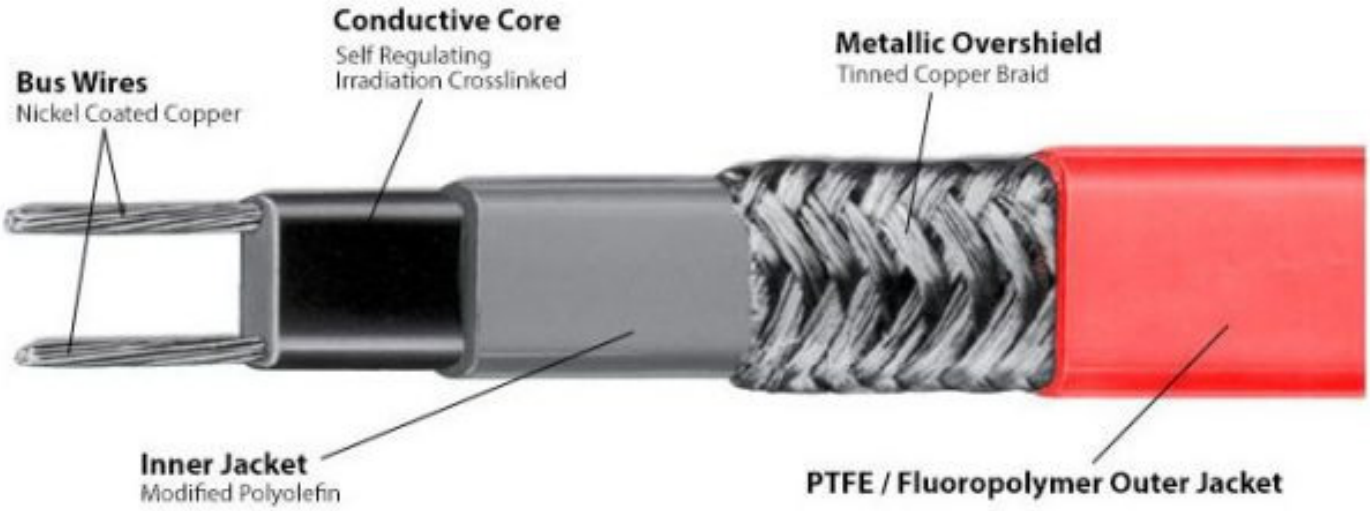
HIGH TEMP SELF-REGULATING HEATING CABLE (302F)



INFORMATION

- Ideal for pipe tracing, freeze protection, and low temperature process maintenance applications up to 302°F (150°C).
- Self-limiting: Automatically adjusts heat output based on surface temperature.
- Safe to overlap and insulate.
- Can be cut-to-length and terminated in the field.
- No temperature controller is required. (If a specific process temperature is needed, a temperature controller is required.)

Note: Special consideration must be given for the circuit breaker due to the high-initial in-rush currents.

SPECIFICATIONS

Maximum Continuous Maintenance Temperature:	302°F (150°C)
Intermittent Exposure Temperature Range:	-22°F to 392°F (-30°C to 200°C)
Supply Voltage:	110-120 VAC or 208-277 VAC
Nominal Power Output at 50°F (10°C):	5, 10, 15, 20 W/ft (15, 30, 45, 60 W/m)
	For 208 and 277 VAC, adjust watts shown for the 240 VAC cable using the Voltage Adjustment Factors Chart
Bus Wire Gauge:	16 AWG
Braid Resistance:	Tinned copper 0.0055 ohms/ft (0.0182 ohms/m)
Bend Radius:	0.5 in (12 mm)

Note: If a specific process temperature is required a temperature controller is necessary

OPTIONS

Outer Layer Jacket		
Description	**Dimensions**	**Purpose**
Tinned Copper Metal Braid with Fluoropolymer Overjacket	0.19” x 0.49” (4.8mm x 12.4mm)	For use in strong chemical environments (i.e. strong acids)

Maximum Circuit Length in Feet per Circuit Breaker Size

Heating Cable	Circuit Breaker Size	Start-up Temperature			
		50°F (10°C)	32°F (0°C)	-4°F (-20°C)	-40°F (-40°C)
5HTS-1	10 amp	120 (37)	110 (34)	105 (32)	90 (27)
	15 amp	180 (55)	175 (53)	158 (48)	143 (44)
	20 amp	240 (73)	215 (66)	190 (58)	180 (55)
	30 amp	259 (79)	245 (75)	240 (73)	225 (69)
	40 amp	266 (81)	255 (78)	250 (76)	240 (73)
5HTS-2	10 amp	240 (73)	220 (67)	210 (64)	180 (55)
	15 amp	360 (110)	350 (107)	315 (96)	285 (87)
	20 amp	479 (146)	430 (131)	380 (116)	360 (110)
	30 amp	518 (158)	490 (149)	480 (146)	450 (137)
	40 amp	531 (162)	510 (155)	500 (152)	480 (146)
10HTS-1	10 amp	73 (22)	69 (21)	65 (20)	58 (18)
	15 amp	118 (36)	110 (34)	98 (30)	88 (27)
	20 amp	148 (45)	140 (43)	130 (40)	118 (36)
	30 amp	220 (67)	200 (61)	182 (56)	175 (53)
	40 amp	255 (78)	240 (73)	220 (67)	230 (70)
10HTS-2	10 amp	146 (45)	138 (42)	130 (40)	116 (35)
	15 amp	236 (72)	220 (67)	195 (59)	175 (53)
	20 amp	295 (90)	280 (85)	260 (79)	235 (72)
	30 amp	440 (134)	400 (122)	364 (111)	350 (107)
	40 amp	510 (155)	480 (146)	440 (134)	460 (140)

15HTS-1	10 amp	50 (15)	47 (14)	42 (13)	40 (12)
	15 amp	75 (23)	65 (20)	63 (19)	60 (18)
	20 amp	100 (31)	90 (27)	83 (25)	80 (24)
	30 amp	143 (44)	135 (41)	125 (38)	120 (37)
	40 amp	190 (58)	175 (53)	168 (51)	160 (49)
15HTS-2	10 amp	100 (31)	93 (28)	83 (25)	80 (24)
	15 amp	150 (46)	130 (40)	125 (38)	120 (37)
	20 amp	200 (61)	180 (55)	165 (50)	160 (49)
	30 amp	285 (87)	270 (82)	250 (76)	240 (73)
	40 amp	380 (116)	350 (107)	335 (102)	320 (98)
20HTS-1	10 amp	39 (12)	33 (10)	34 (10)	32 (10)
	15 amp	58 (18)	55 (17)	50 (15)	48 (15)
	20 amp	75 (23)	71 (22)	68 (21)	63 (19)
	30 amp	115 (35)	105 (32)	100 (31)	95 (29)
	40 amp	153 (47)	143 (44)	133 (41)	125 (38)
20HTS-2	10 amp	77 (24)	70 (21)	67 (20)	63 (19)
	15 amp	115 (35)	110 (34)	100 (31)	95 (29)
	20 amp	150 (46)	142 (43)	135 (41)	125 (38)
	30 amp	230 (70)	210 (64)	200 (61)	190 (58)
	40 amp	306 (93)	286 (87)	265 (81)	250 (76)

Note: Special consideration must be given for the circuit breaker due to the high initial in-rush currents.

Voltage Adjustment

POWER ADJUSTMENT FACTOR

Product Type	208 VAC	277 VAC
5 watt 240V	0.87	1.07
10 watt 240V	0.88	1.08
15 watt 240V	0.88	1.08
20 watt 240V	0.86	1.07