BERKO
A Marley Engineered Products Brand

470 Beauty Spot Rd. E
Bennettsville, SC 29512

SUBMITTAL SHEET
CRG CABLE
HEAT TRACE



CAPACITIES
3,5,8,10 w/ft 120, 208, 240, or 277 Volts

JOB NAME: _____

LOCATION: _____

ARCHITECT: _____

ENGINEER: _____

CONTRACTOR: _____

SUBMITTED BY: _____ DATE: _____

TAG/ITEM	QTY.	CATALOG NUMBER	HEATER		MAX CIRCUIT LENGTH	CIRCUIT BREAKER SIZE	MAINTAIN TEMP	MINIMUM AMBIENT TEMP
			W/FT	VOLTS				

ACCESSORIES AND CONTROLS	TAG/ITEM	QTY.	CATALOG NUMBER	DESCRIPTION

SUBMITTED BY:	DATE

APPROVED BY:	DATE

CRG SELF REGULATING CABLE

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS*

- Self-Regulating Power Output
- Continuous Maintenance Temperature
  - •150°F (65°C) Max
- Maximum Exposure Temperature
  - •185°F (85°C) Max
- Output Wattage (pipe application)
  - •3, 5, 8, & 10 W/FT @ 50°F
  - •10, 16, 26, & 33 W/M @ 10°C
- Output Wattage (roof and gutter)
  - •12 W/FT in snow/ice (32°F)
- Supply Voltage
  - •120, 208-277 VAC
- Size = 1/2" W x 1/4" H
- Minimum Bend Radius = 1 1/8"
- Minimum Install Temperature
  - •-40°F (-40°C)
- Cut to Length and terminate in the field
- Can be overlapped without burnout

Construction:

A. 16 AWG Nickel Plated Copper Buss Wires
B. Radiation Cross Linked Polymer Heater Core
C. Flame Retardant, UV Stabilized Polyolefin Jacket
D. Tinned Copper Braid
E. Modified Polyolefin Outer Jacket
   - •UV Stabilized
   - •Flame Retardant
   - •Protects Cable against aqueous inorganic Chemicals



ITEM INFORMATION			MAXIMUM CIRCUIT LENGTH VS BREAKER SIZE & START-UP TEMP FT (M)					
	CATALOG NO.	UPC	START-UP TEMPERATURE DEG F DEG C	15A	20A	30A	40A	SHIP WT.
	BK-CRG03-1		50 (10)	300 (92)	330 (100)	330 (100)	330 (100)	
			0 (-18)	200 (60)	270 (82)	330 (100)	330 (100)	
			-20 (-29)	180 (55)	230 (70)	330 (100)	330 (100)	
	BK-CRG03-2		50 (10)	660 (200)	660 (200)	660 (200)	660 (200)	
			0 (-18)	410 (125)	560 (170)	660 (200)	660 (200)	
			-20 (-29)	360 (110)	480 (146)	660 (200)	660 (200)	
	BK-CRG05-1		50 (10)	230 (70)	270 (82)	270 (82)	270 (82)	
			0 (-18)	150 (45)	200 (60)	270 (82)	270 (82)	
			-20 (-29)	130 (40)	175 (54)	260 (80)	270 (82)	
	BK-CRG05-2		50 (10)	460 (140)	540 (165)	540 (165)	540 (165)	
			0 (-18)	300 (92)	400 (122)	540 (165)	540 (165)	
			-20 (-29)	260 (80)	345 (105)	520 (160)	540 (165)	
	BK-CRG08-1		50 (10)	150 (45)	200 (60)	210 (64)	210 (64)	
			0 (-18)	95 (30)	125 (38)	190 (58)	210 (64)	
			-20 (-29)	85 (26)	100 (31)	170 (52)	210 (64)	
	BK-CRG08-2		50 (10)	295 (90)	390 (119)	420 (128)	420 (128)	
			0 (-18)	195 (60)	250 (76)	375 (115)	420 (128)	
			-20 (-29)	170 (52)	225 (69)	340 (104)	420 (128)	
	BK-CRG10-1		50 (10)	115 (35)	150 (45)	180 (55)	180 (55)	
			0 (-18)	70 (22)	95 (30)	145 (44)	180 (55)	
			-20 (-29)	60 (18)	85 (26)	120 (37)	165 (50)	
	BK-CRG10-2		50 (10)	230 (70)	305 (93)	360 (110)	360 (110)	
			0 (-18)	150 (45)	200 (60)	300 (92)	360 (110)	
			-20 (-29)	130 (40)	175 (54)	260 (80)	360 (110)	

SKU Legend: ◆ **= Popular Products;** ● **= Extended Offering** (Contact your local Marley Sales Representative for typically associated lead times)

NOTE: Circuit lengths shown above are based on trip current characteristics of Type QO and Type QOB devices. For equipment with different trip current characteristics please consult Marley

All Cables require power connection and end seal terminations as a minimum to comply with third party requirements. Marley offers accessories to provide trouble free easy installation and maximum cable circuit life.

Approvals: _____ _____ _____

Connection Accessories:

MODEL	UPC	DESCRIPTION	SHIP WT.*
PCA-40J		Power Connection	
PCA-40P		Pipe Stand Off Kit	
MEP-PCA-HW		Power Connection Kit - Hot Water Maintenance, no enclosure (end seal not included in kit)	
MEP-ESA-ES		End seal (Hot Water Maintenance)	
MEP-ESA-RG		End Seal (Roof and Gutter)	
MEP-PCA-RG2		Power Connection Kit - Roof & Gutter, no enclosure (end seal included in kit)	
MEP-SPTA-1		Splice/Tee Connection (10/pk)	
MEP-RC-RG		Roof & Gutter - Roof Clips (40/pk)	
MEP-DS-RG		Roof & Gutter - Downspout Hangar (10/pk)	
LESA-1		Light End Seal 120V	
LESA-2		Light End Seal 208-240V	
HTTS-A		Thermostat - Ambient Sense	
HTTS-L		Thermostat - Line Sense	
HTFT-1		Application Tape	
HTAT-1		Aluminum Foil Tape	
HTPS-6		6 inch Pipe Strap	
HTPS-10		10 inch Pipe Strap	
BK-HTCL-1		Caution Label (10/pk)	

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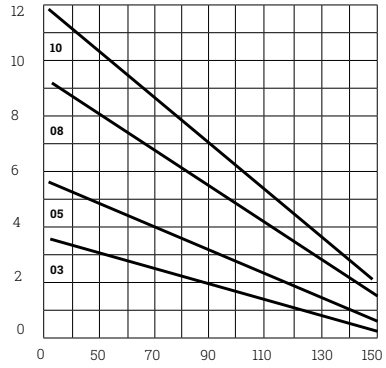
Power Output Curves:

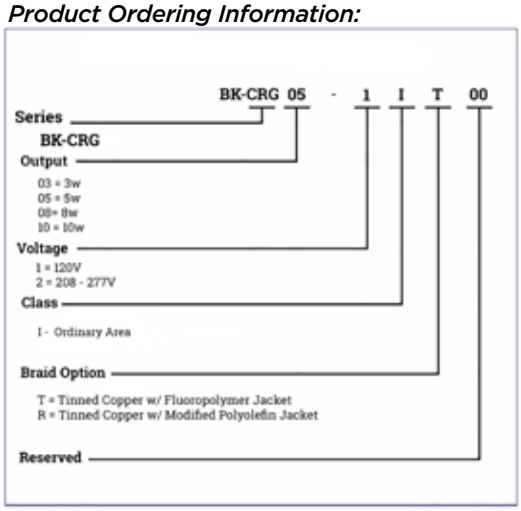
Power Output Curves shown below apply to cables used at service voltages shown below on insulated metal pipes. For Plastic pipe installation derate cable power output by 35% and use aluminum tape installation method. For other applications contact Marley.

Power Output Curves - BK-CRG Series



POWER ADJUSTMENT FACTOR		
MODEL	208 VOLTS	277 VOLTS
BK-CRG03-2	0.75	1.28
BK-CRG05-2	0.86	1.16
BK-CRG08-2	0.91	1.1
BK-CRG10-2	0.93	1.08

Product Ordering Information:



Note = BK-CRG 5 w/ft cable 12 w/ft in snow and ice recommended for roof and gutter de-icing applications

ORDERING INFORMATION				
OUTPUT W/FT	VOLTS	MODEL	STOCK	LBS/1000'
3 W/FT @ 50F	120	BK-CRG03-11R00	S	80
		BK-CRG03-11T00	S	80
	208-277	BK-CRG03-21R00	S	80
		BK-CRG03-21T00	S	80
5 W/FT @ 50F	120	BK-CRG05-11R00	S	80
		BK-CRG05-11T00	S	80
	208-277	BK-CRG05-21R00	S	80
		BK-CRG05-21T00	S	80
8 W/FT @ 50F	120	BK-CRG08-11R00	S	80
		BK-CRG08-11T00	S	80
	208-277	BK-CRG08-21R00	S	80
		BK-CRG08-21T00	S	80
10 W/FT @ 50 F	120	BK-CRG10-11R00	S	80
		BK-CRG10-11T00	S	80
	208-277	BK-CRG10-21R00	S	80
		BK-CRG10-21T00	S	80

No matter the industry or application, Marley Engineered Products has a robust portfolio of innovative, reliable, high-performance comfort heating and ventilation solutions for all your heating needs.

For more information or assistance on your next project, contact Technical Services at 800-642-4328

Scan the QR code to access additional specs and features

Approvals: _____ _____ _____