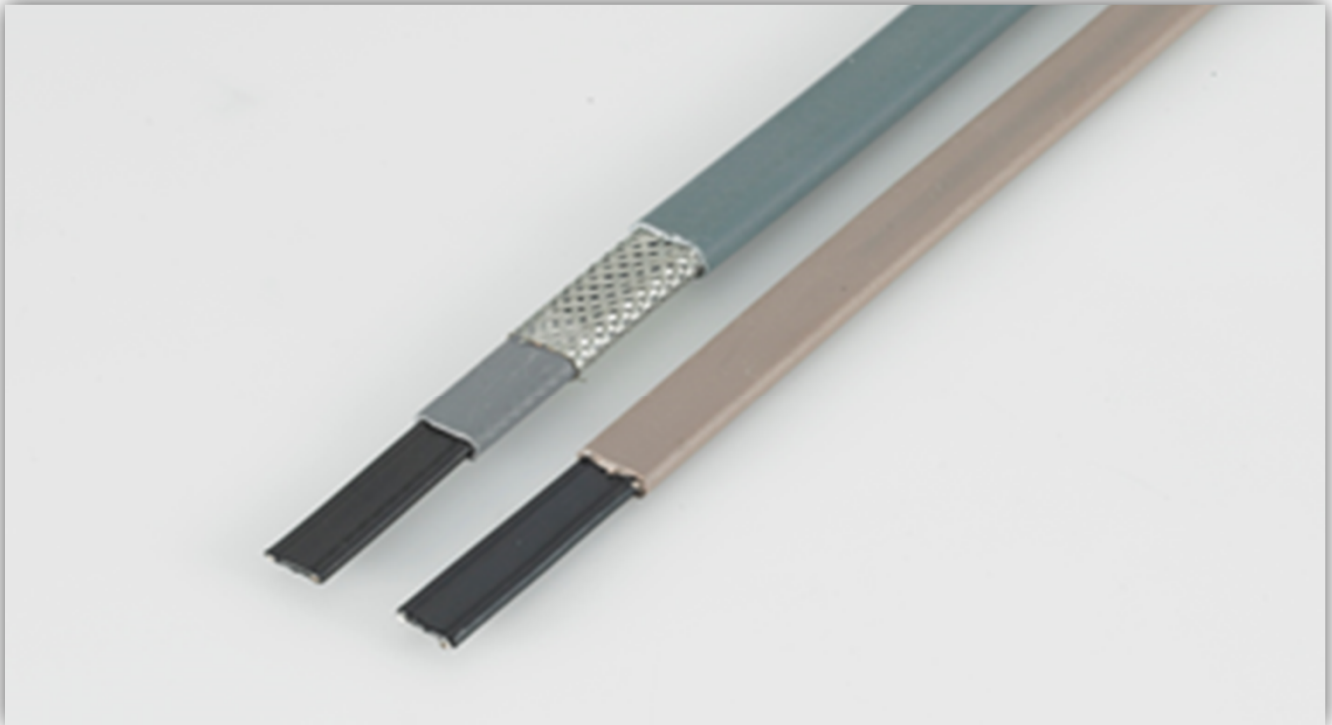




## Self Regulating Cable

FM & UL approved

16 / 24 / 30 ASH2 - CR series



**HEATRACE®**

### Application

Consisting of two parallel bus wires, Self-regulating heating cable is embedded in a semi-conductive self-regulating matrix. The heat output of the irradiated self-regulating core increases when the temperature falls, and decreases when temperature rises.

These heating cables (also referred to as self-limiting heating cables) have now become the most common form of electric heat tracing cable used in the world. This Self regulating heating cable is designed to use in hazardous areas and intended for freeze protection and low process Temperature maintenance.

**Operating Temperature Range**  
**-65°C ~ 85°C / T6**

**UL approved : 16/24/30 ASH2-CR**

File No. E120271 /  
AWM 20152 (90°C -300v, VW-1)

**FM approved : 16AHS2-CR**

Project ID : 3039323  
Class I II III Division 2  
Group A,B, C, D, F and G NEMA Type 4X

**YOUNG CHANG SILICONE CO., LTD Since 1986**

205-16, Gasandigital 1-ro, Geumcheon-gu, Seoul, Korea

Tel. 82-2-808-2777 / Fax. 82-2-803-8380 / <http://www.siliconewire.co.kr> / [ycsc@ycsc.co.kr](mailto:ycsc@ycsc.co.kr)



# Self Regulating Cable

FM & UL approved

16 / 24 / 30 ASH2 - CR series

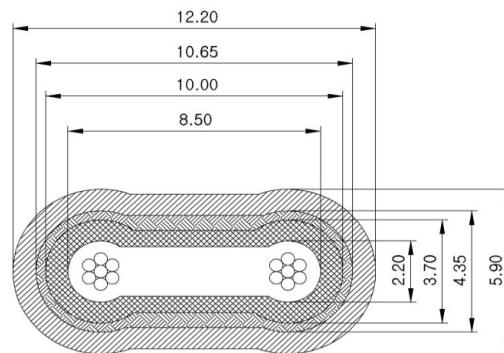


## Product Structure ( Nominal )



NO	CONSTRUCTION	MATERIAL
1	Bus Wire	Nickel/Tin plated copper conductor bus wire
2	Heating Element	Semi-conductive heating element
3	Insulation	1st insulation frame retardant polyolefin
4	Option	Tinned copper braid
5	Out Sheath	Sheath, RR-polyolefin

## Product Dimensions\*\* (Nominal)



## Code Info.

### EX) 16 ASH 2 - CR

- **16** : Thermal Output (w/m)
- **ASH** : Heating cable Type Designation
- **2** : Voltage Range 1) 110v ac 2)220v ac
- **C** : Tinned Copper [Metallic Braid]  
used in ordinary areas where corrosive is not expected.  
Especially for the installation on the surface of plastic pipe  
and painted objects that do not provide an effective ground path.
- **CR** : Polyolefin [Outer Jacket]  
used in extraordinary areas where exposure to aqueous inorganic chemicals is expected.

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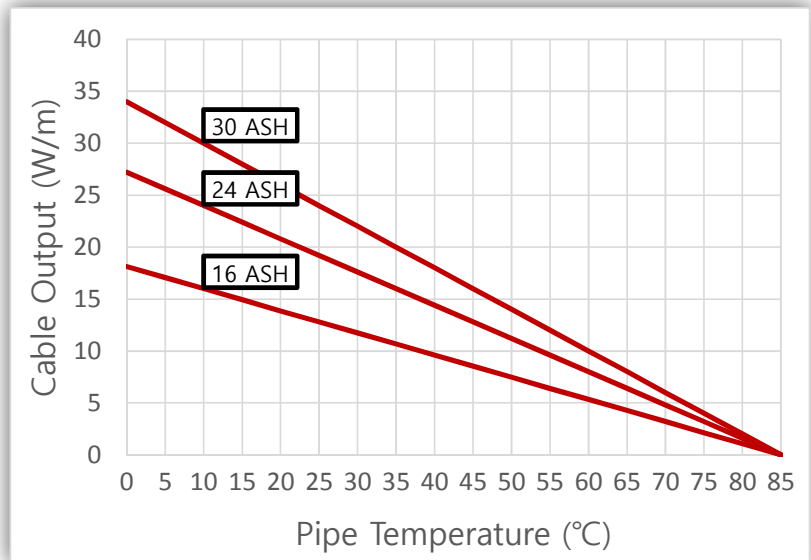
# Self Regulating Cable

FM & UL approved

## 16 / 24 / 30 ASH2 - CR series

### Technical Info.

<b>Wattage</b>	16W/m at 10°C
<b>Max. temp.</b>	65°C
<b>Min. temp.</b>	-20°C
<b>T-rating</b>	85°C
<b>Power supply</b>	220 ~ 240 vac
<b>Max. Resistance of Protective Braiding</b>	18.2 Ohm/km
<b>Cable Dimension 1st insulation</b>	8.1mm x 3.5mm
<b>Cable Dimension out sheath</b>	10.9mm x 6.1mm
<b>Packing Unit</b>	300m/bobbin
<b>Weight (g/m)</b>	107.22 g/m



### Max. Length(m) VS Circuit Breaker size

MAX. LENGTH(m) vs. CIRCUIT BREAKER SIZE		10A	16A	20A	25A
16ASH	10°C	91	135	-	-
	0°C	73	117	135	-
	-20°C	59	95	118	135
24ASH	10°C	68	101	111	-
	0°C	55	88	101	111
	-20°C	30	50	63	80
30ASH	10°C	41	66	82	97
	0°C	30	48	59	75
	-20°C	23	35	45	57

For use with Type C circuit breakers to IEC 60898 VAC : 220v

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