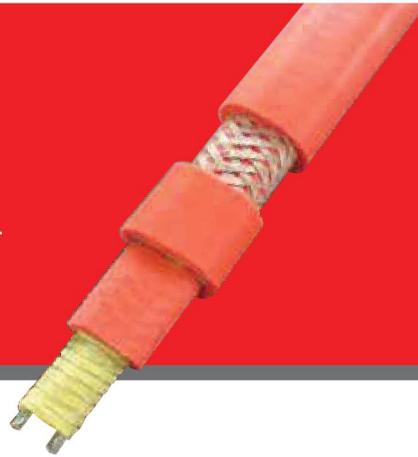


FBCW

Silicone insulated parallel resistance heating cable for industrial applications



Use	<p>Freeze protection or temperature maintenance of vessel and tank. Freeze protection for chemical feeding or process line. Use in hazardous and non-hazardous location.</p>								
Specification	<p>Max. maintain temperature (Power-on) 100°C (212°F) Max. withstand temperature (Power-off) 150°C (302°F) Rated voltage : 100 ~ 120 Vac, 200 ~ 240 Vac Rated power output : 10, 20, 30, 40 watt/m@20°C Max. circuit length : 100m Node interval : 10, 20 w/m model : 100cm 30, 40 w/m model : 50cm Conductor size : 10 w/m model : 0.75mm² 20, 30, 40 w/m model : 1.25 mm² Cable dimension (nom.) : 10 w/m model : 9.5mm x 7.5mm 20, 30, 40 w/m model : 11.5mm x 8.0mm Outer jacket (Optional) : CS : Silicone rubber CT : Fluoropolymer</p>								
Features	<p>Easy operation and fast response. Zone type parallel circuit heating cable. Flexible and excellent mechanical strength. Excellent resistance to heat, oil and chemicals. Long service life. Save cabling cost and installation cost. No inrush current.</p>								
Selection Code	<p>FBCW 30 2 - C S ① ② ③ ④ ⑤</p> <table border="1" data-bbox="529 1823 1209 1962"> <tr> <td>①</td> <td>Model</td> </tr> <tr> <td>②</td> <td>Rated output 10, 20, 30, 40watt/m@20°C</td> </tr> <tr> <td>③</td> <td>Rated voltage 1 : 100 ~ 120 Vac, 2 : 200 ~ 240 Vac</td> </tr> <tr> <td>④</td> <td>Outer jacket S : Silicone rubber, T : Fluoropolymer</td> </tr> </table>	①	Model	②	Rated output 10, 20, 30, 40watt/m@20°C	③	Rated voltage 1 : 100 ~ 120 Vac, 2 : 200 ~ 240 Vac	④	Outer jacket S : Silicone rubber, T : Fluoropolymer
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Product drawing



-● Conductor
-● Heating element
-● Primary insulation
-● Elec. connection node
-● Insulation
-● Sheath
-● Earth covering
-● Out jacket

Copper
Nichrome alloy
Silicone rubber

Braided glassfiber
Silicone rubber
Braided tinned copper
- CS : Silicone rubber
- CT : Fluoropolymer

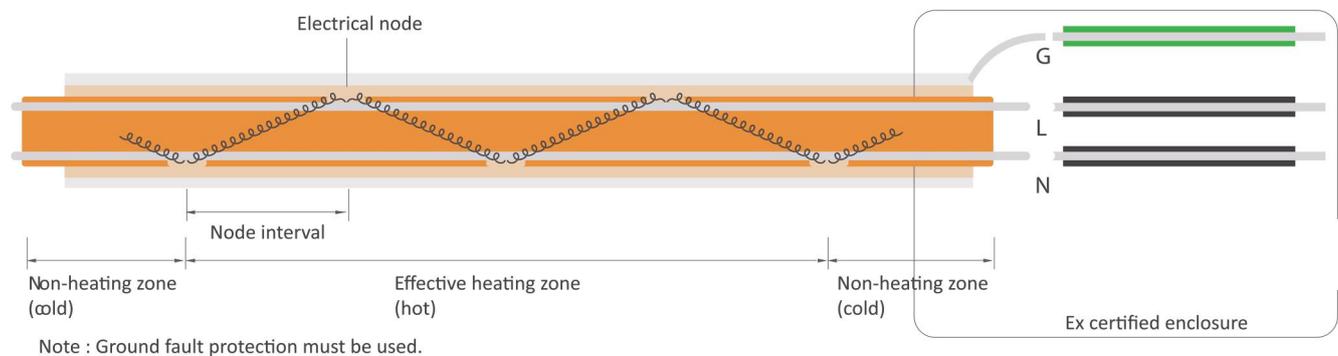
Semi-conductor industry

In semi-conductor industry, a variety of aggressive gases are present. The heat-up or temperature maintenance of the gas supply system including tank or vessel requires an outstanding performance and accuracy together with ultimate energy efficiency.

Solco Pyroelec FBCW heating cable and relevant components show outstanding thermal endurance and mechanical strength up to 150°C. Also it has no inrush current so as to save cabling cost.



Typical circuit arrangement



Temperature rating (T-Class)

Maximum permitted maintenance temperature (°C) for multiple T-Classes

stabilised design

Model	T6	T5	T4	T3
FBCW10x	50	70	105	120
FBCW20x	30	50	85	100
FBCW30x	-	30	65	80
FBCW40x	-	-	35	50

controlled design

Model	T6	T5	T4	T3 (150 °C)
FBCW10x	75	90	125	140
FBCW20x	75	90	125	140
FBCW30x	75	90	125	140
FBCW40x	75	90	125	140