

FreezeTrace™ CSR

Self-Regulating Heating Cable

Product Specifications

Application . . .

Freeze Protection

FreezeTrace CSR self-regulating heating cables are designed to prevent freezing of metallic and nonmetallic piping.

The heat output of CSR cable varies in response to the surrounding conditions along the entire length of a circuit. When the ambient temperature drops increasing heat loss of the insulated pipe, the heat output of the cable increases. Conversely, when the heat loss decreases as ambient temperature rises, the cable will reduce its heat output. This self-regulating feature occurs along the entire length of a heat tracing circuit to ensure each point receives the required amount of heat while conserving energy.

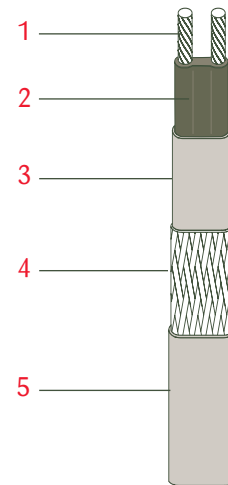
CSR is installed directly on metallic or nonmetallic piping under conventional thermal insulation with ordinary hand tools. Kits for power connection, end terminations and splicing, plus other accessories, are designed for quick and easy installation.

Ratings . . .

Supply voltages.....208-277 Vac
 Max. maintenance temperature..... 65°C
 Max. continuous exposure temperature
 Power-off 85°C
 Minimum installation temperature..... -50°C
 Minimum bend radius..... 32 mm

Power Output on Pipe . . .

Product Type 240 Vac Nominal	Power Output at 10°C W/m
CSR 320	10
CSR 620	20



Construction . . .

- 1 Nickel-Plated Copper Bus Wires 1,3 mm²
- 2 Radiation Cross-Linked Semiconductive Heating Matrix
- 3 Radiation Cross-Linked Polyolefin
- 4 Tinned Copper Braid
- 5 Polyolefin Outerjacket with UV Inhibitor

Nominal Outside Dimensions . . .



Certifications/Approvals . . .



Underwriters Laboratories Inc.
Ordinary Locations

Note . . .

Information on additional design and installation details to complete a heater circuit may be found in the "FreezeTrace Selection and Installation Guide" (Form TMP0005).



THERMON . . . The Heat Tracing Specialists®

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