

PRODUCT CODES

SR-Wattage-Voltage-Length // eg: SR-5W-1-250

PRODUCT DESCRIPTION

Warmup SR cable is suited to prevent liquids in metal and plastic pipes and ducts to freeze and clog up. It is regularly used in large residential and commercial construction for sprinkler lines, sewer pipes and A/C drains. Warmup cables are approved for dry and wet locations and suitable in the classes listed below.

SR Cable is constructed of a self-regulating polymer core that varies its output along its entire length, saving energy and eliminating hot spots along the pipe. Parallel construction makes it easier to install than series types of cable since it can be cut to length at any point on the pipe. It can be overlapped without overheating the cable.

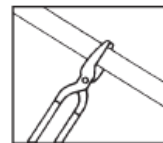
ADVANTAGES

- Self Regulating, Energy Efficient
- Customize in Field / Cut-to-Length
- 16 Ga Nickel-Plated Copper Buss Wires
- Flame retardant thermoplastic outer jacket
- Max Continuous Exposure Temp: 150°F
- Min installation Temp -40°F

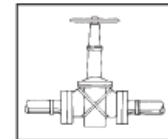
CLASSES

| Ordinary Areas | Applications | SR-UJ | SR | SR-P |
|--------------------------|-------------------|-------|---------|------------|
| Roof and Gutter | | | ✓ | |
| Pipe Protection Indoors | | ✓ | ✓ | |
| Pipe Protection Outdoors | | | ✓ | |
| Class I Div 1 | Gasses and Vapors | | B, C, D | ✓ |
| Class I Div 2 | | | ✓ | A, B, C, D |
| Class II Div 1 | Combustible dust | | F, G | |
| Class II Div 2 | | | ✓ | E, F, G |
| Class III Div 2 | Ignitable Fibers | | ✓ | T3 |

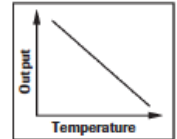
Approvals



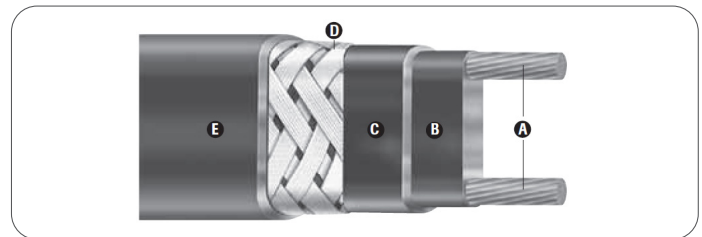
Cut to Any Length in Field



Can be Single Overlapped



Self Regulating



CONSTRUCTION

A. Buss Wires

Twin 16 AWG copper buss wires provide good current capability.

B. Matrix

A semiconductive polymer core whose electrical resistance varies with temperature. When process temperature drops, the core's heat output increases; conversely, as process temperature rises, heat output decreases.

C. Jacket

The flame retardant insulation jacket is a thermoplastic rubber material with excellent water resistance. It resists certain mildly corrosive chemicals.

D. Tinned Copper Braid

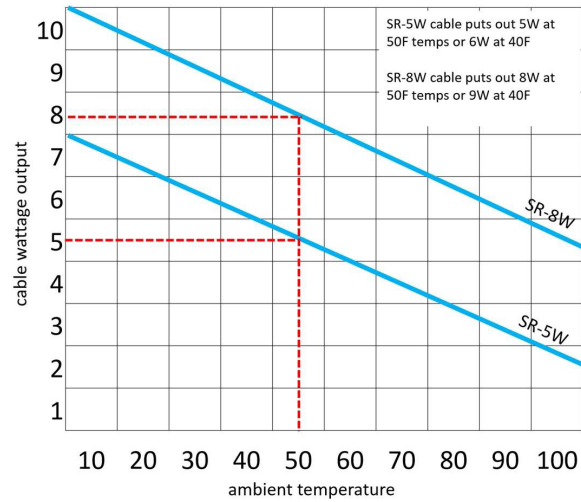
The braid covering the jacket provides an effective ground path and mechanical protection.

E. Overjacket

The Thermoplastic overcoat protects the braid, and is UV resistant.

OUTPUT GRAPH

Output is determined per IEEE-515-2011 Standard



VOLTAGE ADJUSTMENTS

| | POWER OUTPUT | | CIRCUIT LENGTH | |
|-------|--------------|------|----------------|------|
| | 208V | 277V | 208V | 277V |
| SR-5W | .85 | 1.12 | .94 | 1.09 |
| SR-8W | .89 | 1.08 | .92 | 1.11 |

MAX CIRCUIT LENGTHS

| | AMBIENT TEMPERATURE AT START-UP | | 120V | | | | 240V | | | |
|-------|---------------------------------|-------|------|-----|-----|-----|------|-----|-----|-----|
| | | | 15A | 20A | 30A | 40A | 15A | 20A | 30A | 40A |
| SR-5W | 50°F | 10°C | 230 | 270 | 270 | 270 | 460 | 540 | 540 | 540 |
| | 32°F | 0°C | 230 | 270 | 270 | 270 | 460 | 540 | 540 | 540 |
| | 14°F | -10°C | 180 | 210 | 270 | 270 | 360 | 420 | 540 | 540 |
| | 0°F | -18°C | 140 | 190 | 270 | 270 | 285 | 380 | 540 | 540 |
| | -20°F | -29°C | 125 | 165 | 250 | 270 | 250 | 330 | 500 | 540 |
| | -40°F | -40°C | 110 | 145 | 220 | 270 | 220 | 295 | 440 | 540 |
| SR-8W | 50°F | 10°C | 150 | 200 | 210 | 210 | 300 | 400 | 420 | 420 |
| | 32°F | 0°C | 150 | 200 | 210 | 210 | 300 | 400 | 420 | 420 |
| | 14°F | -10°C | 140 | 150 | 205 | 210 | 280 | 300 | 410 | 420 |
| | 0°F | -18°C | 100 | 130 | 200 | 210 | 200 | 265 | 400 | 420 |
| | -20°F | -29°C | 85 | 115 | 175 | 210 | 175 | 235 | 350 | 420 |
| | -40°F | -40°C | 80 | 105 | 155 | 210 | 155 | 210 | 315 | 420 |

Chart below applies to metal pipes. Where different, "SR-xx*" shows selection for plastic pipes.

| | | Minimum ambient temperature | | | | | |
|----------------------------|------------|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| | | 0° | -10° | -20° | -30° | -40° | |
| Insulation thickness (in.) | 1.00" pipe | 0.5 | SR-3W x 1 SR-5W x 1* | SR-5W x 1 | SR-3W x 1 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 |
| | | 1.0 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-5W x 1 | SR-5W x 1 |
| | | 1.5 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 SR-5W x 1* |
| | | 2.0 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 |
| | | 3.0 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 |
| | 2.00" pipe | 0.5 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 | SR-8W x 1 | SR-8W x 1 SR-5W x 2* | SR-5W x 2 SR-8W x 2* |
| | | 1.0 | SR-3W x 1 SR-5W x 1 | SR-5W x 1 | SR-5W x 1 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 |
| | | 1.5 | SR-3W x 1 | SR-3W x 1 | SR-5W x 1 | SR-5W x 1 | SR-5W x 1 |
| | | 2.0 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-5W x 1 | SR-5W x 1 |
| | | 3.0 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 | SR-3W x 1 SR-5W x 1* |
| | 4.00" pipe | 0.5 | SR-5W x 2 | SR-8W x 2 | SR-8W x 2 | SR-8W x 2 | SR-8W x 3 |
| | | 1.0 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 | SR-8W x 1 | SR-8W x 1 SR-5W x 2* | SR-5W x 2 SR-8W x 2* |
| | | 1.5 | SR-5W x 1 | SR-5W x 1 | SR-8W x 1 | SR-8W x 1 | SR-8W x 1 |
| | | 2.0 | SR-3W x 1 SR-5W x 1* | SR-5W x 1 | SR-5W x 1 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 |
| | | 3.0 | SR-3W x 1 | SR-3W x 1 | SR-5W x 1 | SR-5W x 1 | SR-5W x 1 |
| 10.00" pipe | 1.0 | SR-8W x 2 | SR-8W x 2 | SR-8W x 2 SR-8W x 3* | SR-8W x 3 | SR-8W x 3 | |
| | 1.5 | SR-8W x 1 | SR-5W x 2 | SR-8W x 2 | SR-8W x 2 | SR-8W x 2 | |
| | 2.0 | SR-8W x 1 | SR-8W x 1 | SR-5W x 2 | SR-5W x 2 SR-8W x 2* | SR-8W x 2 | |
| | 3.0 | SR-5W x 1 | SR-5W x 1 SR-8W x 1* | SR-8W x 1 | SR-8W x 1 | SR-8W x 1 SR-5W x 2* | |

*for plastic pipes

PRODUCT SIZE LISTING

| | Code | Description |
|------|--------------|---|
| 120V | SR-5W-1-250 | Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 250' length spools. |
| | SR-5W-1-500 | Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 500' length spools. |
| | SR-5W-1-1000 | Self-Regulated 16GA Cable, 120V, 5W/linear foot. Sold in 1000' length spools. |
| 120V | SR-8W-1-250 | Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 250' length spools. |
| | SR-8W-1-500 | Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 500' length spools. |
| | SR-8W-1-1000 | Self-Regulated 16GA Cable, 120V, 8W/linear foot. Sold in 1000' length spools. |
| 240V | SR-5W-2-250 | Self-Regulated 16GA Cable, 240V, 5W/linear foot. Sold in 250' length spools. |
| | SR-5W-2-500 | Self-Regulated 16GA Cable, 240V, 5W/linear foot. Sold in 500' length spools. |
| | SR-5W-2-1000 | Self-Regulated 16GA Cable, 240V, 5W/linear foot. Sold in 1000' length spools. |
| | SR-8W-2-250 | Self-Regulated 16GA Cable, 240V, 8W/linear foot. Sold in 250' length spools. |
| | SR-8W-2-500 | Self-Regulated 16GA Cable, 240V, 8W/linear foot. Sold in 500' length spools. |
| | SR-8W-2-1000 | Self-Regulated 16GA Cable, 240V, 8W/linear foot. Sold in 1000' length spools. |
| 120V | SR-K6FT | Self Regulating Kit with Plug, 6ft |
| | SR-K12FT | Self Regulating Kit with Plug, 12ft |
| | SR-K18FT | Self Regulating Kit with Plug, 18ft |
| | SR-K24FT | Self Regulating Kit with Plug, 24ft |
| | SR-K50FT | Self Regulating Kit with Plug, 50ft |
| | SR-K75FT | Self Regulating Kit with Plug, 75ft |
| | SR-K100FT | Self Regulating Kit with Plug, 100ft |

ACCESSORIES

Warmup has a complete line of accessories specifically designed for use with SR cable. Use only Warmup accessories to ensure the performance of the heat trace system.

| Code | Description |
|-------------|---|
| TAPE-AL | Aluminum Foil Tape for Self-Regulating Cable. Sold in 90ft roll. |
| SR-LBL | Pack of 10 warning lables |
| SR-ZT-100 | Bag of 100 Heavy Duty Zip Ties. 7" long. For use with WSM, WODH and SR cable series. 50lbs load bearing capacity. |
| POWER-KIT | Power Connection Kit for Self-Regulating Cable. Includes 2*warning labels and 1*END-KIT. |
| SPLICE-KIT | Splice/Tee Kit for Self-Regulating Cable. |
| END-KIT | End Seal Kit for Self-Regulating Cable. |
| SR-SFIT-BOX | Power connection junction box (6x6x3) with Pipe-Mounting Bracket for Self-Reg connections. |
| SR-SFIT-SPL | In-line splicing box for fast and weathertight connections in the field. |
| SR-SFIT-TEE | 3-Way T-splice box for fast and weathertight connections in the field. |
| SR-SFIT-PRO | Non-Strip field connection box |
| JHE-L-GET | Lit end cap for self regulating cable |

WARRANTY & MAINTENANCE

The SR cable is warrantied for 10 years against manufacturer's defects. See www.warmup.com for full warranty details.

TECHNICAL SUPPORT

Warmup is available 24/7/365 at (888) 927-6333 (US) (888) 592-7687 (CAN)

RELATED PRODUCTS

- TRF115-005 - LINE VOLTAGE THERMOSTAT - see WSC-0801
- DS series controls (ASE-DS8) - see WSC-0809
- ROOF & GUTTER APPLICATIONS - see WSC-0929