

# T2Black Floor Heating Cable



nVent RAYCHEM T2Black is a constant power output floor heating cable. It exists in 2 variants with output of 12 W/m and 20 W/m. It is a dual conductor, twisted heater with a pre-terminated 2.6 m cold lead and available in lengths from 12 m to 175 m. The product is delivered in a box designed for easy unspooling of the cable and containing all the accessories needed to install the product. The product is available in a variant containing the energy efficient NRG-DM thermostat and a variant without thermostat.

## FEATURES

Ideal for use with anti-fracture membranes

Easy design: one cold lead connection due to dual wire cable design, different power outputs/m<sup>2</sup> obtained by varying the spacing

Reliable during long life: 12 to 20 year total care warranty available, no maintenance required

## SPECIFICATIONS

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Cold Lead Length:</b>             | 2.6 m                     |
| <b>Outer Diameter:</b>               | 4 mm                      |
| <b>Min Installation Temperature:</b> | 5 °C                      |
| <b>Min Cable Spacing:</b>            | 80 mm                     |
| <b>Power Output, Typical:</b>        | 80 – 150 W/m <sup>2</sup> |
| <b>Nominal Voltage:</b>              | 230 V                     |
| <b>Color:</b>                        | Black                     |
| <b>Ground Path Type:</b>             | Braid                     |
| <b>Heating Cable Technology:</b>     | Constant Wattage          |
| <b>Outer Jacket Material:</b>        | PVC                       |
| <b>Spooling System:</b>              | Yes                       |

Table 1/1

| Catalog Number | Item Name             | Nominal Power Output | Power | Resistance Range | Length | Thermostat Included |
|----------------|-----------------------|----------------------|-------|------------------|--------|---------------------|
| SZ18300309     | R-BK-B-14.5M-180W/NRG | 12 W/m               | 180 W | 282.3 – 326.9 Ω  | 14.5 m | NRG-DM              |

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|---------------|------------------------|----------------------|--------|------------------------|--------|---------------------|
| SZ18300310    | R-BK-B-20.0M-250W/NRG  | 12 W/m               | 250 W  | 201 – 232.8 $\Omega$   | 20 m   | NRG-DM              |
| SZ18300311    | R-BK-B-26.5M-325W/NRG  | 12 W/m               | 325 W  | 154.6 – 179 $\Omega$   | 26.5 m | NRG-DM              |
| SZ18300312    | R-BK-B-35.5M-435W/NRG  | 12 W/m               | 435 W  | 116.1 – 134.4 $\Omega$ | 35.5 m | NRG-DM              |
| SZ18300313    | R-BK-B-46.0M-565W/NRG  | 12 W/m               | 565 W  | 88.8 – 102.8 $\Omega$  | 46 m   | NRG-DM              |
| SZ18300314    | R-BK-B-55.0M-665W/NRG  | 12 W/m               | 665 W  | 75.6 – 87.5 $\Omega$   | 55 m   | NRG-DM              |
| SZ18300315    | R-BK-B-73.0M-895W/NRG  | 12 W/m               | 895 W  | 56.2 – 65.1 $\Omega$   | 73 m   | NRG-DM              |
| SZ18300316    | R-BK-B-98.0M-1210W/NRG | 12 W/m               | 1210 W | 41.5 – 48.1 $\Omega$   | 98 m   | NRG-DM              |
| SZ18300317    | R-BK-B-14.5M-180W/T0   | 12 W/m               | 180 W  | 282.3 – 326.9 $\Omega$ | 14.5 m | No                  |
| SZ18300318    | R-BK-B-20.0M-250W/T0   | 12 W/m               | 250 W  | 201 – 232.8 $\Omega$   | 20 m   | No                  |
| SZ18300319    | R-BK-B-26.5M-325W/T0   | 12 W/m               | 325 W  | 154.6 – 179 $\Omega$   | 26.5 m | No                  |
| SZ18300320    | R-BK-B-35.5M-435W/T0   | 12 W/m               | 435 W  | 116.1 – 134.4 $\Omega$ | 35.5 m | No                  |
| SZ18300321    | R-BK-B-46.0M-565W/T0   | 12 W/m               | 565 W  | 88.8 – 102.8 $\Omega$  | 46 m   | No                  |
| SZ18300322    | R-BK-B-55.0M-665W/T0   | 12 W/m               | 665 W  | 75.6 – 87.5 $\Omega$   | 55 m   | No                  |
| SZ18300323    | R-BK-B-73.0M-895W/T0   | 12 W/m               | 895 W  | 56.2 – 65.1 $\Omega$   | 73 m   | No                  |
| SZ18300324    | R-BK-B-98.0M-1210W/T0  | 12 W/m               | 1210 W | 41.5 – 48.1 $\Omega$   | 98 m   | No                  |
| SZ18300325    | R-BK-C-12.0M-215W/T0   | 20 W/m               | 215 W  | 233.7 – 270.7 $\Omega$ | 12 m   | No                  |
| SZ18300326    | R-BK-C-16.0M-310W/T0   | 20 W/m               | 310 W  | 162.1 – 187.7 $\Omega$ | 16 m   | No                  |
| SZ18300327    | R-BK-C-21.0M-410W/T0   | 20 W/m               | 410 W  | 122.6 – 141.9 $\Omega$ | 21 m   | No                  |

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|---------------|-------------------------|----------------------|--------|------------------------|--------|---------------------|
| SZ18300328    | R-BK-C-28.0M-550W/T0    | 20 W/m               | 550 W  | 91.4 – 105.8 $\Omega$  | 28 m   | No                  |
| SZ18300329    | R-BK-C-43.0M-850W/T0    | 20 W/m               | 850 W  | 59.1 – 68.5 $\Omega$   | 43 m   | No                  |
| SZ18300330    | R-BK-C-57.0M-1150W/T0   | 20 W/m               | 1150 W | 43.7 – 50.6 $\Omega$   | 57 m   | No                  |
| SZ18300331    | R-BK-C-74.0M-1490W/T0   | 20 W/m               | 1490 W | 33.7 – 39.1 $\Omega$   | 74 m   | No                  |
| SZ18300332    | R-BK-C-82.0M-1625W/T0   | 20 W/m               | 1625 W | 30.9 – 35.8 $\Omega$   | 82 m   | No                  |
| SZ18300333    | R-BK-C-109.0M-2200W/T0  | 20 W/m               | 2200 W | 22.8 – 26.5 $\Omega$   | 109 m  | No                  |
| SZ18300334    | R-BK-C-12.0M-215W/NRG   | 20 W/m               | 215 W  | 233.7 – 270.7 $\Omega$ | 12 m   | NRG-DM              |
| SZ18300335    | R-BK-C-16.0M-310W/NRG   | 20 W/m               | 310 W  | 162.1 – 187.7 $\Omega$ | 16 m   | NRG-DM              |
| SZ18300336    | R-BK-C-21.0M-410W/NRG   | 20 W/m               | 410 W  | 122.6 – 141.9 $\Omega$ | 21 m   | NRG-DM              |
| SZ18300337    | R-BK-C-28.0M-550W/NRG   | 20 W/m               | 550 W  | 91.4 – 105.8 $\Omega$  | 28 m   | NRG-DM              |
| SZ18300338    | R-BK-C-43.0M-850W/NRG   | 20 W/m               | 850 W  | 59.1 – 68.5 $\Omega$   | 43 m   | NRG-DM              |
| SZ18300339    | R-BK-C-57.0M-1150W/NRG  | 20 W/m               | 1150 W | 43.7 – 50.6 $\Omega$   | 57 m   | NRG-DM              |
| SZ18300340    | R-BK-C-74.0M-1490W/NRG  | 20 W/m               | 1490 W | 33.7 – 39.1 $\Omega$   | 74 m   | NRG-DM              |
| SZ18300341    | R-BK-C-82.0M-1625W/NRG  | 20 W/m               | 1625 W | 30.9 – 35.8 $\Omega$   | 82 m   | NRG-DM              |
| SZ18300342    | R-BK-C-109.0M-2200W/NRG | 20 W/m               | 2200 W | 22.8 – 26.5 $\Omega$   | 109 m  | NRG-DM              |
| SZ18300489    | R-BK-B-125.0M-1500W/NRG | 12 W/m               | 1500 W | 33.4 – 38.6 $\Omega$   | 125 m  | NRG-DM              |
| SZ18300490    | R-BK-B-150.0M-1800W/NRG | 12 W/m               | 1800 W | 28.2 – 32.7 $\Omega$   | 150 m  | NRG-DM              |
| SZ18300491    | R-BK-B-175.0M-2200W/NRG | 12 W/m               | 2200 W | 22.9 – 26.6 $\Omega$   | 175 m  | NRG-DM              |

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|---------------|------------------------|----------------------|--------|----------------------|--------|---------------------|
| SZ18300492    | R-BK-B-125.0M-1500W/T0 | 12 W/m               | 1500 W | 33.4 – 38.6 $\Omega$ | 125 m  | No                  |
| SZ18300493    | R-BK-B-150.0M-1800W/T0 | 12 W/m               | 1800 W | 28.2 – 32.7 $\Omega$ | 150 m  | No                  |
| SZ18300494    | R-BK-B-175.0M-2200W/T0 | 12 W/m               | 2200 W | 22.9 – 26.6 $\Omega$ | 175 m  | No                  |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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