

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/m² obtained by varying the spacing

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

SPECIFICATIONS

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

Table 1/2

Catalog Number	Item Name	E-Number	Nominal Power Output	Power	Resistance Range	Length
SZ18300309	R-BK-B-14.5M-180W/NRG	9935501141	12 W/m	180 W	282.3 – 326.9 Ω	14.5 m

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Resistance Range	Length
SZ18300310	R-BK-B-20.0M-250W/NRG	9935501154	12 W/m	250 W	201 – 232.8 Ω	20 m
SZ18300311	R-BK-B-26.5M-325W/NRG	9935501167	12 W/m	325 W	154.6 – 179 Ω	26.5 m
SZ18300312	R-BK-B-35.5M-435W/NRG	9935501170	12 W/m	435 W	116.1 – 134.4 Ω	35.5 m
SZ18300313	R-BK-B-46.0M-565W/NRG	9935501183	12 W/m	565 W	88.8 – 102.8 Ω	46 m
SZ18300314	R-BK-B-55.0M-665W/NRG	9935501196	12 W/m	665 W	75.6 – 87.5 Ω	55 m
SZ18300315	R-BK-B-73.0M-895W/NRG	9935501206	12 W/m	895 W	56.2 – 65.1 Ω	73 m
SZ18300316	R-BK-B-98.0M-1210W/NRG	9935501219	12 W/m	1210 W	41.5 – 48.1 Ω	98 m
SZ18300317	R-BK-B-14.5M-180W/T0		12 W/m	180 W	282.3 – 326.9 Ω	14.5 m
SZ18300318	R-BK-B-20.0M-250W/T0		12 W/m	250 W	201 – 232.8 Ω	20 m
SZ18300319	R-BK-B-26.5M-325W/T0		12 W/m	325 W	154.6 – 179 Ω	26.5 m
SZ18300320	R-BK-B-35.5M-435W/T0		12 W/m	435 W	116.1 – 134.4 Ω	35.5 m
SZ18300321	R-BK-B-46.0M-565W/T0		12 W/m	565 W	88.8 – 102.8 Ω	46 m
SZ18300322	R-BK-B-55.0M-665W/T0		12 W/m	665 W	75.6 – 87.5 Ω	55 m
SZ18300323	R-BK-B-73.0M-895W/T0		12 W/m	895 W	56.2 – 65.1 Ω	73 m
SZ18300324	R-BK-B-98.0M-1210W/T0		12 W/m	1210 W	41.5 – 48.1 Ω	98 m
SZ18300325	R-BK-C-12.0M-215W/T0		20 W/m	215 W	233.7 – 270.7 Ω	12 m
SZ18300326	R-BK-C-16.0M-310W/T0		20 W/m	310 W	162.1 – 187.7 Ω	16 m
SZ18300327	R-BK-C-21.0M-410W/T0		20 W/m	410 W	122.6 – 141.9 Ω	21 m

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Resistance Range	Length
SZ18300328	R-BK-C-28.0M-550W/T0		20 W/m	550 W	91.4 – 105.8 Ω	28 m
SZ18300329	R-BK-C-43.0M-850W/T0		20 W/m	850 W	59.1 – 68.5 Ω	43 m
SZ18300330	R-BK-C-57.0M-1150W/T0		20 W/m	1150 W	43.7 – 50.6 Ω	57 m
SZ18300331	R-BK-C-74.0M-1490W/T0		20 W/m	1490 W	33.7 – 39.1 Ω	74 m
SZ18300332	R-BK-C-82.0M-1625W/T0		20 W/m	1625 W	30.9 – 35.8 Ω	82 m
SZ18300333	R-BK-C-109.0M-2200W/T0		20 W/m	2200 W	22.8 – 26.5 Ω	109 m
SZ18300334	R-BK-C-12.0M-215W/NRG		20 W/m	215 W	233.7 – 270.7 Ω	12 m
SZ18300335	R-BK-C-16.0M-310W/NRG		20 W/m	310 W	162.1 – 187.7 Ω	16 m
SZ18300336	R-BK-C-21.0M-410W/NRG		20 W/m	410 W	122.6 – 141.9 Ω	21 m
SZ18300337	R-BK-C-28.0M-550W/NRG		20 W/m	550 W	91.4 – 105.8 Ω	28 m
SZ18300338	R-BK-C-43.0M-850W/NRG		20 W/m	850 W	59.1 – 68.5 Ω	43 m
SZ18300339	R-BK-C-57.0M-1150W/NRG		20 W/m	1150 W	43.7 – 50.6 Ω	57 m
SZ18300340	R-BK-C-74.0M-1490W/NRG		20 W/m	1490 W	33.7 – 39.1 Ω	74 m
SZ18300341	R-BK-C-82.0M-1625W/NRG		20 W/m	1625 W	30.9 – 35.8 Ω	82 m
SZ18300342	R-BK-C-109.0M-2200W/NRG		20 W/m	2200 W	22.8 – 26.5 Ω	109 m
SZ18300489	R-BK-B-125.0M-1500W/NRG		12 W/m	1500 W	33.4 – 38.6 Ω	125 m
SZ18300490	R-BK-B-150.0M-1800W/NRG		12 W/m	1800 W	28.2 – 32.7 Ω	150 m
SZ18300491	R-BK-B-175.0M-2200W/NRG		12 W/m	2200 W	22.9 – 26.6 Ω	175 m

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Resistance Range	Length
SZ18300492	R-BK-B-125.0M-1500W/T0		12 W/m	1500 W	33.4 – 38.6 Ω	125 m
SZ18300493	R-BK-B-150.0M-1800W/T0		12 W/m	1800 W	28.2 – 32.7 Ω	150 m
SZ18300494	R-BK-B-175.0M-2200W/T0		12 W/m	2200 W	22.9 – 26.6 Ω	175 m

Table 2/2

Catalog Number	Item Name	E-Number	Thermostat Included
SZ18300309	R-BK-B-14.5M-180W/NRG	9935501141	NRG-DM
SZ18300310	R-BK-B-20.0M-250W/NRG	9935501154	NRG-DM
SZ18300311	R-BK-B-26.5M-325W/NRG	9935501167	NRG-DM
SZ18300312	R-BK-B-35.5M-435W/NRG	9935501170	NRG-DM
SZ18300313	R-BK-B-46.0M-565W/NRG	9935501183	NRG-DM
SZ18300314	R-BK-B-55.0M-665W/NRG	9935501196	NRG-DM
SZ18300315	R-BK-B-73.0M-895W/NRG	9935501206	NRG-DM
SZ18300316	R-BK-B-98.0M-1210W/NRG	9935501219	NRG-DM
SZ18300317	R-BK-B-14.5M-180W/T0		No
SZ18300318	R-BK-B-20.0M-250W/T0		No
SZ18300319	R-BK-B-26.5M-325W/T0		No
SZ18300320	R-BK-B-35.5M-435W/T0		No
SZ18300321	R-BK-B-46.0M-565W/T0		No
SZ18300322	R-BK-B-55.0M-665W/T0		No

Catalog Number	Item Name	E-Number	Thermostat Included
SZ18300323	R-BK-B-73.0M-895W/T0		No
SZ18300324	R-BK-B-98.0M-1210W/T0		No
SZ18300325	R-BK-C-12.0M-215W/T0		No
SZ18300326	R-BK-C-16.0M-310W/T0		No
SZ18300327	R-BK-C-21.0M-410W/T0		No
SZ18300328	R-BK-C-28.0M-550W/T0		No
SZ18300329	R-BK-C-43.0M-850W/T0		No
SZ18300330	R-BK-C-57.0M-1150W/T0		No
SZ18300331	R-BK-C-74.0M-1490W/T0		No
SZ18300332	R-BK-C-82.0M-1625W/T0		No
SZ18300333	R-BK-C-109.0M-2200W/T0		No
SZ18300334	R-BK-C-12.0M-215W/NRG		NRG-DM
SZ18300335	R-BK-C-16.0M-310W/NRG		NRG-DM
SZ18300336	R-BK-C-21.0M-410W/NRG		NRG-DM
SZ18300337	R-BK-C-28.0M-550W/NRG		NRG-DM
SZ18300338	R-BK-C-43.0M-850W/NRG		NRG-DM
SZ18300339	R-BK-C-57.0M-1150W/NRG		NRG-DM
SZ18300340	R-BK-C-74.0M-1490W/NRG		NRG-DM

Catalog Number	Item Name	E-Number	Thermostat Included
SZ18300341	R-BK-C-82.0M-1625W/NRG		NRG-DM
SZ18300342	R-BK-C-109.0M-2200W/NRG		NRG-DM
SZ18300489	R-BK-B-125.0M-1500W/NRG		NRG-DM
SZ18300490	R-BK-B-150.0M-1800W/NRG		NRG-DM
SZ18300491	R-BK-B-175.0M-2200W/NRG		NRG-DM
SZ18300492	R-BK-B-125.0M-1500W/T0		No
SZ18300493	R-BK-B-150.0M-1800W/T0		No
SZ18300494	R-BK-B-175.0M-2200W/T0		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 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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