

T2BLUE FLOOR HEATING CABLE



nVent RAYCHEM T2Blue is an electrical floor heating cable for new build projects where the cable is installed directly in 10-15 mm of screed (T2Blue-10) or in 30-50 mm of screed (T2Blue-20). The cable does exist in 2 power output variants of 10 W/m and 20W/m and available in pre-terminated lengths (11-200 m). The range is composed of installer friendly kits including the cable on a spool and all installation accessories. Variants without thermostat and including the SENZ WIFI touchscreen thermostat are available.

FEATURES & BENEFITS

Easy installation: flexible cable, pre-terminated with power cable

T2Blue-10 is typically installed in low construction floors (10-15 mm), directly in screed, in self levelling compound or in uncoupling membrane

T2Blue-20 is typically installed in high construction floors (30-50 mm), directly in screed on concrete sub-floors or on insulation boards

Safe and efficient operation: flexible power output from 60 to 150W/m², closer loops for higher output and wider loops for lower output

Installer friendly kits with easy to unroll spooling system and all installation accessories included

Available in kits without thermostat and in EcoDesign compatible kits including the energy efficient and advanced SENZ WIFI touchscreen thermostat that can be controlled through the SENZ WIFI app or through voice control using Alexa or Google Assistant compatible smart speakers.

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

SPECIFICATIONS

Heating Cable Technology Constant Wattage

Nominal Voltage 230 V

Nominal Power Output 10 W/m

Power Output, Typical 60 – 125 W/m²

Outer Jacket Material Low Smoke Zero Halogen

Color Blue

Outer Diameter 5.5 mm

Ground Path Type Braid

Min Installation Temperature 5 °C

Cold Lead Length 2.5 m

Min Cable Spacing 50 mm

Spooling System Yes

Thermostat Included SENZ-WIFI

Table 1/1

Catalog Number	Item Name	Power	Resistance Range	Length
SZ18300398	R-BL-A-10M/SENZ-WIFI	100 W	503.5 – 583 Ω	10 m
SZ18300409	R-BL-A-101M/SENZ-WIFI	1010 W	49.9 – 57.8 Ω	101 m
SZ18300410	R-BL-A-121M/SENZ-WIFI	1215 W	41.4 – 47.9 Ω	121 m
SZ18300411	R-BL-A-142M/SENZ-WIFI	1420 W	35.1 – 40.6 Ω	142 m
SZ18300399	R-BL-A-15M/SENZ-WIFI	150 W	336.3 – 389.4 Ω	15 m
SZ18300412	R-BL-A-160M/SENZ-WIFI	1600 W	30.4 – 35.2 Ω	160 m
SZ18300413	R-BL-A-180M/SENZ-WIFI	1800 W	27.4 – 31.7 Ω	180 m
SZ18300400	R-BL-A-20M/SENZ-WIFI	200 W	252.7 – 292.6 Ω	20 m
SZ18300414	R-BL-A-200M/SENZ-WIFI	2000 W	24.7 – 28.6 Ω	200 m
SZ18300401	R-BL-A-25M/SENZ-WIFI	250 W	201.9 – 233.8 Ω	25 m
SZ18300402	R-BL-A-30M/SENZ-WIFI	305 W	165.3 – 191.4 Ω	30 m
SZ18300403	R-BL-A-40M/SENZ-WIFI	400 W	125.4 – 145.2 Ω	40 m
SZ18300404	R-BL-A-50M/SENZ-WIFI	505 W	99.8 – 115.5 Ω	50 m
SZ18300405	R-BL-A-60M/SENZ-WIFI	605 W	83.2 – 96.4 Ω	60 m
SZ18300406	R-BL-A-70M/SENZ-WIFI	700 W	71.8 – 83.2 Ω	70 m
SZ18300407	R-BL-A-80M/SENZ-WIFI	805 W	62.3 – 72.2 Ω	80 m
SZ18300408	R-BL-A-90M/SENZ-WIFI	890 W	56.4 – 65.3 Ω	90 m

Heating Cable Technology Constant Wattage**Nominal Voltage** 230 V**Nominal Power Output** 10 W/m**Power Output, Typical** 60 – 125 W/m²**Outer Jacket Material** Low Smoke Zero Halogen**Color** Blue**Outer Diameter** 5.5 mm**Ground Path Type** Braid**Min Installation Temperature** 5 °C**Cold Lead Length** 2.5 m**Min Cable Spacing** 50 mm**Spooling System** Yes**Thermostat Included** No

Table 1/1

Catalog Number	Item Name	Power	Resistance Range	Length
SZ18300369	R-BL-A-10M/T0/SD	100 W	503.5 – 583 Ω	10 m
1244-001887	R-BL-A-101M/T0/SD	1010 W	49.9 – 57.8 Ω	101 m
SZ18300380	R-BL-A-121M/T0/SD	1215 W	41.4 – 47.9 Ω	121 m
SZ18300381	R-BL-A-142M/T0/SD	1420 W	35.1 – 40.6 Ω	142 m
SZ18300370	R-BL-A-15M/T0/SD	150 W	336.3 – 389.4 Ω	15 m
SZ18300382	R-BL-A-160M/T0/SD	1600 W	30.4 – 35.2 Ω	160 m
SZ18300383	R-BL-A-180M/T0/SD	1800 W	27.4 – 31.7 Ω	180 m
SZ18300371	R-BL-A-20M/T0/SD	200 W	252.7 – 292.6 Ω	20 m
SZ18300384	R-BL-A-200M/T0/SD	2000 W	24.7 – 28.6 Ω	200 m
SZ18300372	R-BL-A-25M/T0/SD	250 W	201.9 – 233.8 Ω	25 m
SZ18300373	R-BL-A-30M/T0/SD	305 W	165.3 – 191.4 Ω	30 m
SZ18300374	R-BL-A-40M/T0/SD	400 W	125.4 – 145.2 Ω	40 m
SZ18300375	R-BL-A-50M/T0/SD	505 W	99.8 – 115.5 Ω	50 m
SZ18300376	R-BL-A-60M/T0/SD	605 W	83.2 – 96.4 Ω	60 m
SZ18300377	R-BL-A-70M/T0/SD	700 W	71.8 – 83.2 Ω	70 m
SZ18300378	R-BL-A-80M/T0/SD	805 W	62.3 – 72.2 Ω	80 m
SZ18300379	R-BL-A-90M/T0/SD	890 W	56.4 – 65.3 Ω	90 m

Heating Cable Technology Constant Wattage

Nominal Voltage 230 V

Nominal Power Output 20 W/m

Power Output, Typical 80 – 150 W/m²

Outer Jacket Material Low Smoke Zero Halogen

Color Blue

Outer Diameter 5.5 mm

Ground Path Type Braid

Min Installation Temperature 5 °C

Cold Lead Length 2.5 m

Min Cable Spacing 50 mm

Spooling System Yes

Thermostat Included SENZ-WIFI

Table 1/1

Catalog Number	Item Name	Power	Resistance Range	Length
SZ18300427	R-BL-C-101M/SENZ-WIFI	2015 W	24.9 – 28.9 Ω	101 m
SZ18300415	R-BL-C-11M/SENZ-WIFI	205 W	246.6 – 285.6 Ω	11 m
SZ18300428	R-BL-C-115M/SENZ-WIFI	2300 W	21.9 – 25.3 Ω	115 m
SZ18300416	R-BL-C-14M/SENZ-WIFI	285 W	176.9 – 204.8 Ω	14 m
SZ18300417	R-BL-C-18M/SENZ-WIFI	355 W	145.4 – 168.3 Ω	18 m
SZ18300418	R-BL-C-21M/SENZ-WIFI	435 W	115.7 – 134 Ω	21 m
SZ18300419	R-BL-C-28M/SENZ-WIFI	575 W	87.8 – 101.6 Ω	28 m
SZ18300420	R-BL-C-35M/SENZ-WIFI	720 W	69.8 – 80.9 Ω	35 m
SZ18300421	R-BL-C-43M/SENZ-WIFI	845 W	59.6 – 69.1 Ω	43 m
SZ18300422	R-BL-C-50M/SENZ-WIFI	980 W	51.3 – 59.4 Ω	50 m
SZ18300423	R-BL-C-57M/SENZ-WIFI	1130 W	44.4 – 51.4 Ω	57 m
SZ18300424	R-BL-C-63M/SENZ-WIFI	1270 W	39.5 – 45.7 Ω	63 m
SZ18300425	R-BL-C-71M/SENZ-WIFI	1435 W	35.1 – 40.6 Ω	71 m
SZ18300426	R-BL-C-86M/SENZ-WIFI	1710 W	29.4 – 34.1 Ω	86 m

Heating Cable Technology Constant Wattage

Nominal Voltage 230 V

Nominal Power Output 20 W/m

Power Output, Typical 80 – 150 W/m²

Outer Jacket Material Low Smoke Zero Halogen

Color Blue

Outer Diameter 5.5 mm

Ground Path Type Braid

Min Installation Temperature 5 °C

Cold Lead Length 2.5 m

Min Cable Spacing 50 mm

Spooling System Yes

Thermostat Included No

Table 1/1

Catalog Number	Item Name	Power	Resistance Range	Length
1244-001902	R-BL-C-101M/T0/SD	2015 W	24.9 – 28.9 Ω	101 m
SZ18300385	R-BL-C-11M/T0/SD	205 W	246.6 – 285.6 Ω	11 m
SZ18300397	R-BL-C-115M/T0/SD	2300 W	21.9 – 25.3 Ω	115 m
SZ18300386	R-BL-C-14M/T0/SD	285 W	176.9 – 204.8 Ω	14 m
SZ18300387	R-BL-C-18M/T0/SD	355 W	145.4 – 168.3 Ω	18 m
SZ18300388	R-BL-C-21M/T0/SD	435 W	115.7 – 134 Ω	21 m
SZ18300389	R-BL-C-28M/T0/SD	575 W	87.8 – 101.6 Ω	28 m
SZ18300390	R-BL-C-35M/T0/SD	720 W	69.8 – 80.9 Ω	35 m
SZ18300391	R-BL-C-43M/T0/SD	845 W	59.6 – 69.1 Ω	43 m
SZ18300392	R-BL-C-50M/T0/SD	980 W	51.3 – 59.4 Ω	50 m
SZ18300393	R-BL-C-57M/T0/SD	1130 W	44.4 – 51.4 Ω	57 m
SZ18300394	R-BL-C-63M/T0/SD	1270 W	39.5 – 45.7 Ω	63 m
SZ18300395	R-BL-C-71M/T0/SD	1435 W	35.1 – 40.6 Ω	71 m
SZ18300396	R-BL-C-86M/T0/SD	1710 W	29.4 – 34.1 Ω	86 m

North America

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

Europe, Middle East, Africa

Tel +32.16.213.511
Fax +32.16.213.604
thermal.info@nvent.com

Asia Pacific

Tel +86.21.2412.1688
Fax +86.21.5426.3167
cn.thermal.info@nvent.com

Latin America

Tel +1.713.868.4800
Fax +1.713.868.2333
thermal.info@nvent.com



Our powerful portfolio of brands:
nVent.com CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER

© 2022 nVent. All nVent marks and logos are owned or licensed by nVent Services GmbH or its affiliates. All other trademarks are the property of their respective owners.
nVent reserves the right to change specifications without notice.