

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

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

Cold Lead Length:	2.5 m
Min Installation Temperature:	5 °C
Outer Diameter:	5.5 mm
Min Cable Spacing:	50 mm
Nominal Voltage:	230 V
Color:	Blue
Ground Path Type:	Braid
Heating Cable Technology:	Constant Wattage
Outer Jacket Material:	Low Smoke Zero Halogen
Spooling System:	Yes

Table 1/2

Catalog Number	Item Name	E-Number	Nominal Power Output	Power	Power Output, Typical	Resistance Range
SZ18300401	R-BL-A-25M/SENZ-WIFI		10 W/m	250 W	60 – 125 W/m ²	201.9 – 233.8 Ω
SZ18300402	R-BL-A-30M/SENZ-WIFI		10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300403	R-BL-A-40M/SENZ-WIFI		10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300404	R-BL-A-50M/SENZ-WIFI		10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300405	R-BL-A-60M/SENZ-WIFI		10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300406	R-BL-A-70M/SENZ-WIFI		10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300407	R-BL-A-80M/SENZ-WIFI		10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300408	R-BL-A-90M/SENZ-WIFI		10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300409	R-BL-A-101M/SENZ-WIFI		10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
SZ18300410	R-BL-A-121M/SENZ-WIFI		10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300411	R-BL-A-142M/SENZ-WIFI		10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300412	R-BL-A-160M/SENZ-WIFI		10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300413	R-BL-A-180M/SENZ-WIFI		10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300414	R-BL-A-200M/SENZ-WIFI		10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300415	R-BL-C-11M/SENZ-WIFI		20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300416	R-BL-C-14M/SENZ-WIFI		20 W/m	285 W	80 – 150 W/m ²	176.9 – 204.8 Ω

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Power Output, Typical	Resistance Range
SZ18300417	R-BL-C-18M/SENZ-WIFI		20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300418	R-BL-C-21M/SENZ-WIFI		20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300419	R-BL-C-28M/SENZ-WIFI		20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300420	R-BL-C-35M/SENZ-WIFI		20 W/m	720 W	80 – 150 W/m ²	69.8 – 80.9 Ω
SZ18300421	R-BL-C-43M/SENZ-WIFI		20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300422	R-BL-C-50M/SENZ-WIFI		20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300423	R-BL-C-57M/SENZ-WIFI		20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300424	R-BL-C-63M/SENZ-WIFI		20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300425	R-BL-C-71M/SENZ-WIFI		20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300426	R-BL-C-86M/SENZ-WIFI		20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300427	R-BL-C-101M/SENZ-WIFI		20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300428	R-BL-C-115M/SENZ-WIFI		20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
1244-001887	R-BL-A-101M/T0/SD	9935005223	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
1244-001902	R-BL-C-101M/T0/SD	9935005126	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300369	R-BL-A-10M/T0/SD	9935501523	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300370	R-BL-A-15M/T0/SD	9935501536	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300371	R-BL-A-20M/T0/SD	9935005142	10 W/m	200 W	60 – 125 W/m ²	252.7 – 292.6 Ω
SZ18300372	R-BL-A-25M/T0/SD	9935501549	10 W/m	250 W	60 – 125 W/m ²	201.9 – 233.8 Ω

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Power Output, Typical	Resistance Range
SZ18300373	R-BL-A-30M/T0/SD	9935005155	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300374	R-BL-A-40M/T0/SD	9935005168	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300375	R-BL-A-50M/T0/SD	9935005171	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300376	R-BL-A-60M/T0/SD	9935005184	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300377	R-BL-A-70M/T0/SD	9935005197	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300378	R-BL-A-80M/T0/SD	9935005207	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300379	R-BL-A-90M/T0/SD	9935005210	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300380	R-BL-A-121M/T0/SD	9935005236	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300381	R-BL-A-142M/T0/SD	9935005249	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300382	R-BL-A-160M/T0/SD	9935005252	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300383	R-BL-A-180M/T0/SD	9935005265	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300384	R-BL-A-200M/T0/SD	9935005278	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300385	R-BL-C-11M/T0/SD	9935005003	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300386	R-BL-C-14M/T0/SD	9935005016	20 W/m	285 W	80 – 150 W/m ²	176.9 – 204.8 Ω
SZ18300387	R-BL-C-18M/T0/SD	9935005029	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300388	R-BL-C-21M/T0/SD	9935005032	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300389	R-BL-C-28M/T0/SD	9935005045	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300390	R-BL-C-35M/T0/SD	9935005058	20 W/m	720 W	80 – 150 W/m ²	69.8 – 80.9 Ω

CatalogNumber	Item Name	E-Number	Nominal Power Output	Power	Power Output, Typical	Resistance Range
SZ18300391	R-BL-C-43M/T0/SD	9935005061	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300392	R-BL-C-50M/T0/SD	9935005074	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300393	R-BL-C-57M/T0/SD	9935005087	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300394	R-BL-C-63M/T0/SD	9935005090	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300395	R-BL-C-71M/T0/SD	9935005100	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300396	R-BL-C-86M/T0/SD	9935005113	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300397	R-BL-C-115M/T0/SD	9935005139	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
SZ18300398	R-BL-A-10M/SENZ-WIFI		10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300399	R-BL-A-15M/SENZ-WIFI		10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300400	R-BL-A-20M/SENZ-WIFI		10 W/m	200 W	60 – 125 W/m ²	252.7 – 292.6 Ω

Table 2/2

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300401	R-BL-A-25M/SENZ-WIFI		25 m	SENZ-WIFI
SZ18300402	R-BL-A-30M/SENZ-WIFI		30 m	SENZ-WIFI
SZ18300403	R-BL-A-40M/SENZ-WIFI		40 m	SENZ-WIFI
SZ18300404	R-BL-A-50M/SENZ-WIFI		50 m	SENZ-WIFI
SZ18300405	R-BL-A-60M/SENZ-WIFI		60 m	SENZ-WIFI
SZ18300406	R-BL-A-70M/SENZ-WIFI		70 m	SENZ-WIFI
SZ18300407	R-BL-A-80M/SENZ-WIFI		80 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300408	R-BL-A-90M/SENZ-WIFI		90 m	SENZ-WIFI
SZ18300409	R-BL-A-101M/SENZ-WIFI		101 m	SENZ-WIFI
SZ18300410	R-BL-A-121M/SENZ-WIFI		121 m	SENZ-WIFI
SZ18300411	R-BL-A-142M/SENZ-WIFI		142 m	SENZ-WIFI
SZ18300412	R-BL-A-160M/SENZ-WIFI		160 m	SENZ-WIFI
SZ18300413	R-BL-A-180M/SENZ-WIFI		180 m	SENZ-WIFI
SZ18300414	R-BL-A-200M/SENZ-WIFI		200 m	SENZ-WIFI
SZ18300415	R-BL-C-11M/SENZ-WIFI		11 m	SENZ-WIFI
SZ18300416	R-BL-C-14M/SENZ-WIFI		14 m	SENZ-WIFI
SZ18300417	R-BL-C-18M/SENZ-WIFI		18 m	SENZ-WIFI
SZ18300418	R-BL-C-21M/SENZ-WIFI		21 m	SENZ-WIFI
SZ18300419	R-BL-C-28M/SENZ-WIFI		28 m	SENZ-WIFI
SZ18300420	R-BL-C-35M/SENZ-WIFI		35 m	SENZ-WIFI
SZ18300421	R-BL-C-43M/SENZ-WIFI		43 m	SENZ-WIFI
SZ18300422	R-BL-C-50M/SENZ-WIFI		50 m	SENZ-WIFI
SZ18300423	R-BL-C-57M/SENZ-WIFI		57 m	SENZ-WIFI
SZ18300424	R-BL-C-63M/SENZ-WIFI		63 m	SENZ-WIFI
SZ18300425	R-BL-C-71M/SENZ-WIFI		71 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300426	R-BL-C-86M/SENZ-WIFI		86 m	SENZ-WIFI
SZ18300427	R-BL-C-101M/SENZ-WIFI		101 m	SENZ-WIFI
SZ18300428	R-BL-C-115M/SENZ-WIFI		115 m	SENZ-WIFI
1244-001887	R-BL-A-101M/T0/SD	9935005223	101 m	No
1244-001902	R-BL-C-101M/T0/SD	9935005126	101 m	No
SZ18300369	R-BL-A-10M/T0/SD	9935501523	10 m	No
SZ18300370	R-BL-A-15M/T0/SD	9935501536	15 m	No
SZ18300371	R-BL-A-20M/T0/SD	9935005142	20 m	No
SZ18300372	R-BL-A-25M/T0/SD	9935501549	25 m	No
SZ18300373	R-BL-A-30M/T0/SD	9935005155	30 m	No
SZ18300374	R-BL-A-40M/T0/SD	9935005168	40 m	No
SZ18300375	R-BL-A-50M/T0/SD	9935005171	50 m	No
SZ18300376	R-BL-A-60M/T0/SD	9935005184	60 m	No
SZ18300377	R-BL-A-70M/T0/SD	9935005197	70 m	No
SZ18300378	R-BL-A-80M/T0/SD	9935005207	80 m	No
SZ18300379	R-BL-A-90M/T0/SD	9935005210	90 m	No
SZ18300380	R-BL-A-121M/T0/SD	9935005236	121 m	No
SZ18300381	R-BL-A-142M/T0/SD	9935005249	142 m	No

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300382	R-BL-A-160M/T0/SD	9935005252	160 m	No
SZ18300383	R-BL-A-180M/T0/SD	9935005265	180 m	No
SZ18300384	R-BL-A-200M/T0/SD	9935005278	200 m	No
SZ18300385	R-BL-C-11M/T0/SD	9935005003	11 m	No
SZ18300386	R-BL-C-14M/T0/SD	9935005016	14 m	No
SZ18300387	R-BL-C-18M/T0/SD	9935005029	18 m	No
SZ18300388	R-BL-C-21M/T0/SD	9935005032	21 m	No
SZ18300389	R-BL-C-28M/T0/SD	9935005045	28 m	No
SZ18300390	R-BL-C-35M/T0/SD	9935005058	35 m	No
SZ18300391	R-BL-C-43M/T0/SD	9935005061	43 m	No
SZ18300392	R-BL-C-50M/T0/SD	9935005074	50 m	No
SZ18300393	R-BL-C-57M/T0/SD	9935005087	57 m	No
SZ18300394	R-BL-C-63M/T0/SD	9935005090	63 m	No
SZ18300395	R-BL-C-71M/T0/SD	9935005100	71 m	No
SZ18300396	R-BL-C-86M/T0/SD	9935005113	86 m	No
SZ18300397	R-BL-C-115M/T0/SD	9935005139	115 m	No
SZ18300398	R-BL-A-10M/SENZ-WIFI		10 m	SENZ-WIFI
SZ18300399	R-BL-A-15M/SENZ-WIFI		15 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300400	R-BL-A-20M/SENZ-WIFI		20 m	SENZ-WIFI

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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