

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	1037512	10 W/m	250 W	60 – 125 W/m ²	201.9 – 233.8 Ω
SZ18300402	R-BL-A-30M/SENZ-WIFI	1037515	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300403	R-BL-A-40M/SENZ-WIFI	1037516	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300404	R-BL-A-50M/SENZ-WIFI	1037517	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300405	R-BL-A-60M/SENZ-WIFI	1037518	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300406	R-BL-A-70M/SENZ-WIFI	1037519	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300407	R-BL-A-80M/SENZ-WIFI	1037525	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300408	R-BL-A-90M/SENZ-WIFI	1037526	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300409	R-BL-A-101M/SENZ-WIFI	1037527	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
SZ18300410	R-BL-A-121M/SENZ-WIFI	1037528	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300411	R-BL-A-142M/SENZ-WIFI	1037529	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300412	R-BL-A-160M/SENZ-WIFI	1037530	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300413	R-BL-A-180M/SENZ-WIFI	1037531	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300414	R-BL-A-200M/SENZ-WIFI	1037545	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300415	R-BL-C-11M/SENZ-WIFI	1037572	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300416	R-BL-C-14M/SENZ-WIFI	1037573	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	1037574	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300418	R-BL-C-21M/SENZ-WIFI	1037575	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300419	R-BL-C-28M/SENZ-WIFI	1037576	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300420	R-BL-C-35M/SENZ-WIFI	1037577	20 W/m	720 W	80 – 150 W/m ²	69.8 – 80.9 Ω
SZ18300421	R-BL-C-43M/SENZ-WIFI	1037578	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300422	R-BL-C-50M/SENZ-WIFI	1037579	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300423	R-BL-C-57M/SENZ-WIFI	1037580	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300424	R-BL-C-63M/SENZ-WIFI	1037581	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300425	R-BL-C-71M/SENZ-WIFI	1037582	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300426	R-BL-C-86M/SENZ-WIFI	1037583	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300427	R-BL-C-101M/SENZ-WIFI	1037586	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300428	R-BL-C-115M/SENZ-WIFI	1037587	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
1244-001887	R-BL-A-101M/T0/SD	1035077	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
1244-001902	R-BL-C-101M/T0/SD	1037505	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300369	R-BL-A-10M/T0/SD	1037569	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300370	R-BL-A-15M/T0/SD	1037570	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300371	R-BL-A-20M/T0/SD	1037584	10 W/m	200 W	60 – 125 W/m ²	252.7 – 292.6 Ω
SZ18300372	R-BL-A-25M/T0/SD	1037571	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	1037585	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300374	R-BL-A-40M/T0/SD	1037588	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300375	R-BL-A-50M/T0/SD	1037589	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300376	R-BL-A-60M/T0/SD	1037590	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300377	R-BL-A-70M/T0/SD	1037591	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300378	R-BL-A-80M/T0/SD	1037592	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300379	R-BL-A-90M/T0/SD	1037593	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300380	R-BL-A-121M/T0/SD	1037595	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300381	R-BL-A-142M/T0/SD	1037596	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300382	R-BL-A-160M/T0/SD	1037597	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300383	R-BL-A-180M/T0/SD	1037598	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300384	R-BL-A-200M/T0/SD	1037599	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300385	R-BL-C-11M/T0/SD	1037513	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300386	R-BL-C-14M/T0/SD	1037514	20 W/m	285 W	80 – 150 W/m ²	176.9 – 204.8 Ω
SZ18300387	R-BL-C-18M/T0/SD	1037520	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300388	R-BL-C-21M/T0/SD	1037521	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300389	R-BL-C-28M/T0/SD	1037522	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300390	R-BL-C-35M/T0/SD	1037523	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	1037524	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300392	R-BL-C-50M/T0/SD	1037540	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300393	R-BL-C-57M/T0/SD	1037541	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300394	R-BL-C-63M/T0/SD	1037542	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300395	R-BL-C-71M/T0/SD	1037543	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300396	R-BL-C-86M/T0/SD	1037544	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300397	R-BL-C-115M/T0/SD	1037549	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
SZ18300398	R-BL-A-10M/SENZ-WIFI	1037509	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300399	R-BL-A-15M/SENZ-WIFI	1037510	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300400	R-BL-A-20M/SENZ-WIFI	1037511	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	1037512	25 m	SENZ-WIFI
SZ18300402	R-BL-A-30M/SENZ-WIFI	1037515	30 m	SENZ-WIFI
SZ18300403	R-BL-A-40M/SENZ-WIFI	1037516	40 m	SENZ-WIFI
SZ18300404	R-BL-A-50M/SENZ-WIFI	1037517	50 m	SENZ-WIFI
SZ18300405	R-BL-A-60M/SENZ-WIFI	1037518	60 m	SENZ-WIFI
SZ18300406	R-BL-A-70M/SENZ-WIFI	1037519	70 m	SENZ-WIFI
SZ18300407	R-BL-A-80M/SENZ-WIFI	1037525	80 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300408	R-BL-A-90M/SENZ-WIFI	1037526	90 m	SENZ-WIFI
SZ18300409	R-BL-A-101M/SENZ-WIFI	1037527	101 m	SENZ-WIFI
SZ18300410	R-BL-A-121M/SENZ-WIFI	1037528	121 m	SENZ-WIFI
SZ18300411	R-BL-A-142M/SENZ-WIFI	1037529	142 m	SENZ-WIFI
SZ18300412	R-BL-A-160M/SENZ-WIFI	1037530	160 m	SENZ-WIFI
SZ18300413	R-BL-A-180M/SENZ-WIFI	1037531	180 m	SENZ-WIFI
SZ18300414	R-BL-A-200M/SENZ-WIFI	1037545	200 m	SENZ-WIFI
SZ18300415	R-BL-C-11M/SENZ-WIFI	1037572	11 m	SENZ-WIFI
SZ18300416	R-BL-C-14M/SENZ-WIFI	1037573	14 m	SENZ-WIFI
SZ18300417	R-BL-C-18M/SENZ-WIFI	1037574	18 m	SENZ-WIFI
SZ18300418	R-BL-C-21M/SENZ-WIFI	1037575	21 m	SENZ-WIFI
SZ18300419	R-BL-C-28M/SENZ-WIFI	1037576	28 m	SENZ-WIFI
SZ18300420	R-BL-C-35M/SENZ-WIFI	1037577	35 m	SENZ-WIFI
SZ18300421	R-BL-C-43M/SENZ-WIFI	1037578	43 m	SENZ-WIFI
SZ18300422	R-BL-C-50M/SENZ-WIFI	1037579	50 m	SENZ-WIFI
SZ18300423	R-BL-C-57M/SENZ-WIFI	1037580	57 m	SENZ-WIFI
SZ18300424	R-BL-C-63M/SENZ-WIFI	1037581	63 m	SENZ-WIFI
SZ18300425	R-BL-C-71M/SENZ-WIFI	1037582	71 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300426	R-BL-C-86M/SENZ-WIFI	1037583	86 m	SENZ-WIFI
SZ18300427	R-BL-C-101M/SENZ-WIFI	1037586	101 m	SENZ-WIFI
SZ18300428	R-BL-C-115M/SENZ-WIFI	1037587	115 m	SENZ-WIFI
1244-001887	R-BL-A-101M/T0/SD	1035077	101 m	No
1244-001902	R-BL-C-101M/T0/SD	1037505	101 m	No
SZ18300369	R-BL-A-10M/T0/SD	1037569	10 m	No
SZ18300370	R-BL-A-15M/T0/SD	1037570	15 m	No
SZ18300371	R-BL-A-20M/T0/SD	1037584	20 m	No
SZ18300372	R-BL-A-25M/T0/SD	1037571	25 m	No
SZ18300373	R-BL-A-30M/T0/SD	1037585	30 m	No
SZ18300374	R-BL-A-40M/T0/SD	1037588	40 m	No
SZ18300375	R-BL-A-50M/T0/SD	1037589	50 m	No
SZ18300376	R-BL-A-60M/T0/SD	1037590	60 m	No
SZ18300377	R-BL-A-70M/T0/SD	1037591	70 m	No
SZ18300378	R-BL-A-80M/T0/SD	1037592	80 m	No
SZ18300379	R-BL-A-90M/T0/SD	1037593	90 m	No
SZ18300380	R-BL-A-121M/T0/SD	1037595	121 m	No
SZ18300381	R-BL-A-142M/T0/SD	1037596	142 m	No

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300382	R-BL-A-160M/T0/SD	1037597	160 m	No
SZ18300383	R-BL-A-180M/T0/SD	1037598	180 m	No
SZ18300384	R-BL-A-200M/T0/SD	1037599	200 m	No
SZ18300385	R-BL-C-11M/T0/SD	1037513	11 m	No
SZ18300386	R-BL-C-14M/T0/SD	1037514	14 m	No
SZ18300387	R-BL-C-18M/T0/SD	1037520	18 m	No
SZ18300388	R-BL-C-21M/T0/SD	1037521	21 m	No
SZ18300389	R-BL-C-28M/T0/SD	1037522	28 m	No
SZ18300390	R-BL-C-35M/T0/SD	1037523	35 m	No
SZ18300391	R-BL-C-43M/T0/SD	1037524	43 m	No
SZ18300392	R-BL-C-50M/T0/SD	1037540	50 m	No
SZ18300393	R-BL-C-57M/T0/SD	1037541	57 m	No
SZ18300394	R-BL-C-63M/T0/SD	1037542	63 m	No
SZ18300395	R-BL-C-71M/T0/SD	1037543	71 m	No
SZ18300396	R-BL-C-86M/T0/SD	1037544	86 m	No
SZ18300397	R-BL-C-115M/T0/SD	1037549	115 m	No
SZ18300398	R-BL-A-10M/SENZ-WIFI	1037509	10 m	SENZ-WIFI
SZ18300399	R-BL-A-15M/SENZ-WIFI	1037510	15 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300400	R-BL-A-20M/SENZ-WIFI	1037511	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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