

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	8940624	10 W/m	250 W	60 – 125 W/m ²	201.9 – 233.8 Ω
SZ18300402	R-BL-A-30M/SENZ-WIFI	8940603	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300403	R-BL-A-40M/SENZ-WIFI	8940604	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300404	R-BL-A-50M/SENZ-WIFI	8940605	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300405	R-BL-A-60M/SENZ-WIFI	8940606	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300406	R-BL-A-70M/SENZ-WIFI	8940607	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300407	R-BL-A-80M/SENZ-WIFI	8940608	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300408	R-BL-A-90M/SENZ-WIFI	8940609	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300409	R-BL-A-101M/SENZ-WIFI	8940610	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
SZ18300410	R-BL-A-121M/SENZ-WIFI	8940612	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300411	R-BL-A-142M/SENZ-WIFI	8940614	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300412	R-BL-A-160M/SENZ-WIFI	8940616	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300413	R-BL-A-180M/SENZ-WIFI	8940618	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300414	R-BL-A-200M/SENZ-WIFI	8940620	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300415	R-BL-C-11M/SENZ-WIFI	8940631	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300416	R-BL-C-14M/SENZ-WIFI	8940632	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	8940633	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300418	R-BL-C-21M/SENZ-WIFI	8940634	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300419	R-BL-C-28M/SENZ-WIFI	8940636	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300420	R-BL-C-35M/SENZ-WIFI	8940638	20 W/m	720 W	80 – 150 W/m ²	69.8 – 80.9 Ω
SZ18300421	R-BL-C-43M/SENZ-WIFI	8940640	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300422	R-BL-C-50M/SENZ-WIFI	8940642	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300423	R-BL-C-57M/SENZ-WIFI	8940644	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300424	R-BL-C-63M/SENZ-WIFI	8940646	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300425	R-BL-C-71M/SENZ-WIFI	8940648	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300426	R-BL-C-86M/SENZ-WIFI	8940650	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300427	R-BL-C-101M/SENZ-WIFI	8940652	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300428	R-BL-C-115M/SENZ-WIFI	8940654	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
1244-001887	R-BL-A-101M/T0/SD	8940600	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
1244-001902	R-BL-C-101M/T0/SD	8940630	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300369	R-BL-A-10M/T0/SD	8948696	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300370	R-BL-A-15M/T0/SD	8948697	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300371	R-BL-A-20M/T0/SD	8948682	10 W/m	200 W	60 – 125 W/m ²	252.7 – 292.6 Ω
SZ18300372	R-BL-A-25M/T0/SD	8948698	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	8948683	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300374	R-BL-A-40M/T0/SD	8948684	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300375	R-BL-A-50M/T0/SD	8948685	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300376	R-BL-A-60M/T0/SD	8948686	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300377	R-BL-A-70M/T0/SD	8948687	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300378	R-BL-A-80M/T0/SD	8948688	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300379	R-BL-A-90M/T0/SD	8948689	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300380	R-BL-A-121M/T0/SD	8948691	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300381	R-BL-A-142M/T0/SD	8948692	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300382	R-BL-A-160M/T0/SD	8948693	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300383	R-BL-A-180M/T0/SD	8948694	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300384	R-BL-A-200M/T0/SD	8948695	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300385	R-BL-C-11M/T0/SD	8948660	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300386	R-BL-C-14M/T0/SD	8948661	20 W/m	285 W	80 – 150 W/m ²	176.9 – 204.8 Ω
SZ18300387	R-BL-C-18M/T0/SD	8948662	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300388	R-BL-C-21M/T0/SD	8948663	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300389	R-BL-C-28M/T0/SD	8948664	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300390	R-BL-C-35M/T0/SD	8948659	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	8948665	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300392	R-BL-C-50M/T0/SD	8948666	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300393	R-BL-C-57M/T0/SD	8948667	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300394	R-BL-C-63M/T0/SD	8948668	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300395	R-BL-C-71M/T0/SD	8948669	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300396	R-BL-C-86M/T0/SD	8948670	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300397	R-BL-C-115M/T0/SD	8948672	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
SZ18300398	R-BL-A-10M/SENZ-WIFI	8940601	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300399	R-BL-A-15M/SENZ-WIFI	8940622	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300400	R-BL-A-20M/SENZ-WIFI	8940602	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	8940624	25 m	SENZ-WIFI
SZ18300402	R-BL-A-30M/SENZ-WIFI	8940603	30 m	SENZ-WIFI
SZ18300403	R-BL-A-40M/SENZ-WIFI	8940604	40 m	SENZ-WIFI
SZ18300404	R-BL-A-50M/SENZ-WIFI	8940605	50 m	SENZ-WIFI
SZ18300405	R-BL-A-60M/SENZ-WIFI	8940606	60 m	SENZ-WIFI
SZ18300406	R-BL-A-70M/SENZ-WIFI	8940607	70 m	SENZ-WIFI
SZ18300407	R-BL-A-80M/SENZ-WIFI	8940608	80 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300408	R-BL-A-90M/SENZ-WIFI	8940609	90 m	SENZ-WIFI
SZ18300409	R-BL-A-101M/SENZ-WIFI	8940610	101 m	SENZ-WIFI
SZ18300410	R-BL-A-121M/SENZ-WIFI	8940612	121 m	SENZ-WIFI
SZ18300411	R-BL-A-142M/SENZ-WIFI	8940614	142 m	SENZ-WIFI
SZ18300412	R-BL-A-160M/SENZ-WIFI	8940616	160 m	SENZ-WIFI
SZ18300413	R-BL-A-180M/SENZ-WIFI	8940618	180 m	SENZ-WIFI
SZ18300414	R-BL-A-200M/SENZ-WIFI	8940620	200 m	SENZ-WIFI
SZ18300415	R-BL-C-11M/SENZ-WIFI	8940631	11 m	SENZ-WIFI
SZ18300416	R-BL-C-14M/SENZ-WIFI	8940632	14 m	SENZ-WIFI
SZ18300417	R-BL-C-18M/SENZ-WIFI	8940633	18 m	SENZ-WIFI
SZ18300418	R-BL-C-21M/SENZ-WIFI	8940634	21 m	SENZ-WIFI
SZ18300419	R-BL-C-28M/SENZ-WIFI	8940636	28 m	SENZ-WIFI
SZ18300420	R-BL-C-35M/SENZ-WIFI	8940638	35 m	SENZ-WIFI
SZ18300421	R-BL-C-43M/SENZ-WIFI	8940640	43 m	SENZ-WIFI
SZ18300422	R-BL-C-50M/SENZ-WIFI	8940642	50 m	SENZ-WIFI
SZ18300423	R-BL-C-57M/SENZ-WIFI	8940644	57 m	SENZ-WIFI
SZ18300424	R-BL-C-63M/SENZ-WIFI	8940646	63 m	SENZ-WIFI
SZ18300425	R-BL-C-71M/SENZ-WIFI	8940648	71 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300426	R-BL-C-86M/SENZ-WIFI	8940650	86 m	SENZ-WIFI
SZ18300427	R-BL-C-101M/SENZ-WIFI	8940652	101 m	SENZ-WIFI
SZ18300428	R-BL-C-115M/SENZ-WIFI	8940654	115 m	SENZ-WIFI
1244-001887	R-BL-A-101M/T0/SD	8940600	101 m	No
1244-001902	R-BL-C-101M/T0/SD	8940630	101 m	No
SZ18300369	R-BL-A-10M/T0/SD	8948696	10 m	No
SZ18300370	R-BL-A-15M/T0/SD	8948697	15 m	No
SZ18300371	R-BL-A-20M/T0/SD	8948682	20 m	No
SZ18300372	R-BL-A-25M/T0/SD	8948698	25 m	No
SZ18300373	R-BL-A-30M/T0/SD	8948683	30 m	No
SZ18300374	R-BL-A-40M/T0/SD	8948684	40 m	No
SZ18300375	R-BL-A-50M/T0/SD	8948685	50 m	No
SZ18300376	R-BL-A-60M/T0/SD	8948686	60 m	No
SZ18300377	R-BL-A-70M/T0/SD	8948687	70 m	No
SZ18300378	R-BL-A-80M/T0/SD	8948688	80 m	No
SZ18300379	R-BL-A-90M/T0/SD	8948689	90 m	No
SZ18300380	R-BL-A-121M/T0/SD	8948691	121 m	No
SZ18300381	R-BL-A-142M/T0/SD	8948692	142 m	No

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300382	R-BL-A-160M/T0/SD	8948693	160 m	No
SZ18300383	R-BL-A-180M/T0/SD	8948694	180 m	No
SZ18300384	R-BL-A-200M/T0/SD	8948695	200 m	No
SZ18300385	R-BL-C-11M/T0/SD	8948660	11 m	No
SZ18300386	R-BL-C-14M/T0/SD	8948661	14 m	No
SZ18300387	R-BL-C-18M/T0/SD	8948662	18 m	No
SZ18300388	R-BL-C-21M/T0/SD	8948663	21 m	No
SZ18300389	R-BL-C-28M/T0/SD	8948664	28 m	No
SZ18300390	R-BL-C-35M/T0/SD	8948659	35 m	No
SZ18300391	R-BL-C-43M/T0/SD	8948665	43 m	No
SZ18300392	R-BL-C-50M/T0/SD	8948666	50 m	No
SZ18300393	R-BL-C-57M/T0/SD	8948667	57 m	No
SZ18300394	R-BL-C-63M/T0/SD	8948668	63 m	No
SZ18300395	R-BL-C-71M/T0/SD	8948669	71 m	No
SZ18300396	R-BL-C-86M/T0/SD	8948670	86 m	No
SZ18300397	R-BL-C-115M/T0/SD	8948672	115 m	No
SZ18300398	R-BL-A-10M/SENZ-WIFI	8940601	10 m	SENZ-WIFI
SZ18300399	R-BL-A-15M/SENZ-WIFI	8940622	15 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300400	R-BL-A-20M/SENZ-WIFI	8940602	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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