

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	8171043	10 W/m	250 W	60 – 125 W/m ²	201.9 – 233.8 Ω
SZ18300402	R-BL-A-30M/SENZ-WIFI	8171044	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300403	R-BL-A-40M/SENZ-WIFI	8171045	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300404	R-BL-A-50M/SENZ-WIFI	8171046	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300405	R-BL-A-60M/SENZ-WIFI	8171047	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300406	R-BL-A-70M/SENZ-WIFI	8171048	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300407	R-BL-A-80M/SENZ-WIFI	8171049	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300408	R-BL-A-90M/SENZ-WIFI	8171050	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300409	R-BL-A-101M/SENZ-WIFI	8171064	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
SZ18300410	R-BL-A-121M/SENZ-WIFI	8171065	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300411	R-BL-A-142M/SENZ-WIFI	8171066	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300412	R-BL-A-160M/SENZ-WIFI	8171067	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300413	R-BL-A-180M/SENZ-WIFI	8171068	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300414	R-BL-A-200M/SENZ-WIFI	8171069	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300415	R-BL-C-11M/SENZ-WIFI	8171071	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300416	R-BL-C-14M/SENZ-WIFI	8171073	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	8171074	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300418	R-BL-C-21M/SENZ-WIFI	8171075	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300419	R-BL-C-28M/SENZ-WIFI	8171076	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300420	R-BL-C-35M/SENZ-WIFI	8171077	20 W/m	720 W	80 – 150 W/m ²	69.8 – 80.9 Ω
SZ18300421	R-BL-C-43M/SENZ-WIFI	8171078	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300422	R-BL-C-50M/SENZ-WIFI	8171079	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300423	R-BL-C-57M/SENZ-WIFI	8171080	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300424	R-BL-C-63M/SENZ-WIFI	8171081	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300425	R-BL-C-71M/SENZ-WIFI	8171082	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300426	R-BL-C-86M/SENZ-WIFI	8171083	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300427	R-BL-C-101M/SENZ-WIFI	8171084	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300428	R-BL-C-115M/SENZ-WIFI	8171085	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
1244-001887	R-BL-A-101M/T0/SD	8171411	10 W/m	1010 W	60 – 125 W/m ²	49.9 – 57.8 Ω
1244-001902	R-BL-C-101M/T0/SD	8171425	20 W/m	2015 W	80 – 150 W/m ²	24.9 – 28.9 Ω
SZ18300369	R-BL-A-10M/T0/SD	8171441	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300370	R-BL-A-15M/T0/SD	8171443	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300371	R-BL-A-20M/T0/SD	8171472	10 W/m	200 W	60 – 125 W/m ²	252.7 – 292.6 Ω
SZ18300372	R-BL-A-25M/T0/SD	8171445	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	8171473	10 W/m	305 W	60 – 125 W/m ²	165.3 – 191.4 Ω
SZ18300374	R-BL-A-40M/T0/SD	8171474	10 W/m	400 W	60 – 125 W/m ²	125.4 – 145.2 Ω
SZ18300375	R-BL-A-50M/T0/SD	8171475	10 W/m	505 W	60 – 125 W/m ²	99.8 – 115.5 Ω
SZ18300376	R-BL-A-60M/T0/SD	8171476	10 W/m	605 W	60 – 125 W/m ²	83.2 – 96.4 Ω
SZ18300377	R-BL-A-70M/T0/SD	8171477	10 W/m	700 W	60 – 125 W/m ²	71.8 – 83.2 Ω
SZ18300378	R-BL-A-80M/T0/SD	8171478	10 W/m	805 W	60 – 125 W/m ²	62.3 – 72.2 Ω
SZ18300379	R-BL-A-90M/T0/SD	8171479	10 W/m	890 W	60 – 125 W/m ²	56.4 – 65.3 Ω
SZ18300380	R-BL-A-121M/T0/SD	8171483	10 W/m	1215 W	60 – 125 W/m ²	41.4 – 47.9 Ω
SZ18300381	R-BL-A-142M/T0/SD	8171485	10 W/m	1420 W	60 – 125 W/m ²	35.1 – 40.6 Ω
SZ18300382	R-BL-A-160M/T0/SD	8171487	10 W/m	1600 W	60 – 125 W/m ²	30.4 – 35.2 Ω
SZ18300383	R-BL-A-180M/T0/SD	8171489	10 W/m	1800 W	60 – 125 W/m ²	27.4 – 31.7 Ω
SZ18300384	R-BL-A-200M/T0/SD	8171491	10 W/m	2000 W	60 – 125 W/m ²	24.7 – 28.6 Ω
SZ18300385	R-BL-C-11M/T0/SD	8171455	20 W/m	205 W	80 – 150 W/m ²	246.6 – 285.6 Ω
SZ18300386	R-BL-C-14M/T0/SD	8171456	20 W/m	285 W	80 – 150 W/m ²	176.9 – 204.8 Ω
SZ18300387	R-BL-C-18M/T0/SD	8171457	20 W/m	355 W	80 – 150 W/m ²	145.4 – 168.3 Ω
SZ18300388	R-BL-C-21M/T0/SD	8171458	20 W/m	435 W	80 – 150 W/m ²	115.7 – 134 Ω
SZ18300389	R-BL-C-28M/T0/SD	8171459	20 W/m	575 W	80 – 150 W/m ²	87.8 – 101.6 Ω
SZ18300390	R-BL-C-35M/T0/SD	8171460	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	8171461	20 W/m	845 W	80 – 150 W/m ²	59.6 – 69.1 Ω
SZ18300392	R-BL-C-50M/T0/SD	8171462	20 W/m	980 W	80 – 150 W/m ²	51.3 – 59.4 Ω
SZ18300393	R-BL-C-57M/T0/SD	8171463	20 W/m	1130 W	80 – 150 W/m ²	44.4 – 51.4 Ω
SZ18300394	R-BL-C-63M/T0/SD	8171464	20 W/m	1270 W	80 – 150 W/m ²	39.5 – 45.7 Ω
SZ18300395	R-BL-C-71M/T0/SD	8171465	20 W/m	1435 W	80 – 150 W/m ²	35.1 – 40.6 Ω
SZ18300396	R-BL-C-86M/T0/SD	8171466	20 W/m	1710 W	80 – 150 W/m ²	29.4 – 34.1 Ω
SZ18300397	R-BL-C-115M/T0/SD	8171468	20 W/m	2300 W	80 – 150 W/m ²	21.9 – 25.3 Ω
SZ18300398	R-BL-A-10M/SENZ-WIFI	8171040	10 W/m	100 W	60 – 125 W/m ²	503.5 – 583 Ω
SZ18300399	R-BL-A-15M/SENZ-WIFI	8171041	10 W/m	150 W	60 – 125 W/m ²	336.3 – 389.4 Ω
SZ18300400	R-BL-A-20M/SENZ-WIFI	8171042	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	8171043	25 m	SENZ-WIFI
SZ18300402	R-BL-A-30M/SENZ-WIFI	8171044	30 m	SENZ-WIFI
SZ18300403	R-BL-A-40M/SENZ-WIFI	8171045	40 m	SENZ-WIFI
SZ18300404	R-BL-A-50M/SENZ-WIFI	8171046	50 m	SENZ-WIFI
SZ18300405	R-BL-A-60M/SENZ-WIFI	8171047	60 m	SENZ-WIFI
SZ18300406	R-BL-A-70M/SENZ-WIFI	8171048	70 m	SENZ-WIFI
SZ18300407	R-BL-A-80M/SENZ-WIFI	8171049	80 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300408	R-BL-A-90M/SENZ-WIFI	8171050	90 m	SENZ-WIFI
SZ18300409	R-BL-A-101M/SENZ-WIFI	8171064	101 m	SENZ-WIFI
SZ18300410	R-BL-A-121M/SENZ-WIFI	8171065	121 m	SENZ-WIFI
SZ18300411	R-BL-A-142M/SENZ-WIFI	8171066	142 m	SENZ-WIFI
SZ18300412	R-BL-A-160M/SENZ-WIFI	8171067	160 m	SENZ-WIFI
SZ18300413	R-BL-A-180M/SENZ-WIFI	8171068	180 m	SENZ-WIFI
SZ18300414	R-BL-A-200M/SENZ-WIFI	8171069	200 m	SENZ-WIFI
SZ18300415	R-BL-C-11M/SENZ-WIFI	8171071	11 m	SENZ-WIFI
SZ18300416	R-BL-C-14M/SENZ-WIFI	8171073	14 m	SENZ-WIFI
SZ18300417	R-BL-C-18M/SENZ-WIFI	8171074	18 m	SENZ-WIFI
SZ18300418	R-BL-C-21M/SENZ-WIFI	8171075	21 m	SENZ-WIFI
SZ18300419	R-BL-C-28M/SENZ-WIFI	8171076	28 m	SENZ-WIFI
SZ18300420	R-BL-C-35M/SENZ-WIFI	8171077	35 m	SENZ-WIFI
SZ18300421	R-BL-C-43M/SENZ-WIFI	8171078	43 m	SENZ-WIFI
SZ18300422	R-BL-C-50M/SENZ-WIFI	8171079	50 m	SENZ-WIFI
SZ18300423	R-BL-C-57M/SENZ-WIFI	8171080	57 m	SENZ-WIFI
SZ18300424	R-BL-C-63M/SENZ-WIFI	8171081	63 m	SENZ-WIFI
SZ18300425	R-BL-C-71M/SENZ-WIFI	8171082	71 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300426	R-BL-C-86M/SENZ-WIFI	8171083	86 m	SENZ-WIFI
SZ18300427	R-BL-C-101M/SENZ-WIFI	8171084	101 m	SENZ-WIFI
SZ18300428	R-BL-C-115M/SENZ-WIFI	8171085	115 m	SENZ-WIFI
1244-001887	R-BL-A-101M/T0/SD	8171411	101 m	No
1244-001902	R-BL-C-101M/T0/SD	8171425	101 m	No
SZ18300369	R-BL-A-10M/T0/SD	8171441	10 m	No
SZ18300370	R-BL-A-15M/T0/SD	8171443	15 m	No
SZ18300371	R-BL-A-20M/T0/SD	8171472	20 m	No
SZ18300372	R-BL-A-25M/T0/SD	8171445	25 m	No
SZ18300373	R-BL-A-30M/T0/SD	8171473	30 m	No
SZ18300374	R-BL-A-40M/T0/SD	8171474	40 m	No
SZ18300375	R-BL-A-50M/T0/SD	8171475	50 m	No
SZ18300376	R-BL-A-60M/T0/SD	8171476	60 m	No
SZ18300377	R-BL-A-70M/T0/SD	8171477	70 m	No
SZ18300378	R-BL-A-80M/T0/SD	8171478	80 m	No
SZ18300379	R-BL-A-90M/T0/SD	8171479	90 m	No
SZ18300380	R-BL-A-121M/T0/SD	8171483	121 m	No
SZ18300381	R-BL-A-142M/T0/SD	8171485	142 m	No

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300382	R-BL-A-160M/T0/SD	8171487	160 m	No
SZ18300383	R-BL-A-180M/T0/SD	8171489	180 m	No
SZ18300384	R-BL-A-200M/T0/SD	8171491	200 m	No
SZ18300385	R-BL-C-11M/T0/SD	8171455	11 m	No
SZ18300386	R-BL-C-14M/T0/SD	8171456	14 m	No
SZ18300387	R-BL-C-18M/T0/SD	8171457	18 m	No
SZ18300388	R-BL-C-21M/T0/SD	8171458	21 m	No
SZ18300389	R-BL-C-28M/T0/SD	8171459	28 m	No
SZ18300390	R-BL-C-35M/T0/SD	8171460	35 m	No
SZ18300391	R-BL-C-43M/T0/SD	8171461	43 m	No
SZ18300392	R-BL-C-50M/T0/SD	8171462	50 m	No
SZ18300393	R-BL-C-57M/T0/SD	8171463	57 m	No
SZ18300394	R-BL-C-63M/T0/SD	8171464	63 m	No
SZ18300395	R-BL-C-71M/T0/SD	8171465	71 m	No
SZ18300396	R-BL-C-86M/T0/SD	8171466	86 m	No
SZ18300397	R-BL-C-115M/T0/SD	8171468	115 m	No
SZ18300398	R-BL-A-10M/SENZ-WIFI	8171040	10 m	SENZ-WIFI
SZ18300399	R-BL-A-15M/SENZ-WIFI	8171041	15 m	SENZ-WIFI

Catalog Number	Item Name	E-Number	Length	Thermostat Included
SZ18300400	R-BL-A-20M/SENZ-WIFI	8171042	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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