

SC Series Heating Cable, Hazardous Area



nVent RAYCHEM SC series-resistance trace heating cables provide freeze protection and high-temperature maintenance for longline heating applications. Available with single/dual/triple conductors , they can be used for continuous circuit lengths to 12,000 ft/3659 m powered from a single source, capable of supporting voltages up to 600 VAC and suitable for continuous exposure to temperatures up to 400 °F/204 °C. Approved for use in hazardous areas. The fluoropolymer outer jacket provides high chemical resistance against aggressive organics and corrosives.

FEATURES

- Fast installation, with long circuit length capability: up to 12,000 ft/3659 m from a single power source
- Safe and efficient in operation, supports high voltages up to 600 VAC
- Reliable during long life: 10 year extended product warranty available, maintenance free

SPECIFICATIONS

Min Bending Radius:	25.4 mm
Max Power Output:	39 W/m
Max Continuous Exposure Temperature, Power Off:	204 °C
Max Intermittent Exposure Temperature, Power Off:	204 °C
Min Installation Temperature:	-40 °C
Supply Voltage:	0 – 600 V
Outer Jacket Material:	Fluoropolymer
Area Classification:	Non-Hazardous; Hazardous
Color:	Red

Table 1/2						
Catalog Number	Item Name	Nominal Resistance @ 20°C	Outer Diameter	Nominal Width	Nominal Height	Conductor Quantity

270530-000	1SC80-CT	2.13 Ω/km	8.1 mm			1
P000000420	3SC80-CT	2.13 Ω/km		21.59 mm	9.4 mm	3
808686-000	1SC70-CT	3.94 Ω/km	7.3 mm			1
P000000419	3SC70-CT	3.94 Ω/km		19.05 mm	8.64 mm	3
127284-000	2SC80-CT	4.26 Ω/km		15.49 mm	9.4 mm	2
850632-000	1SC60-CT	6.13 Ω/km	6.6 mm			1
P000000418	3SC60-CT	6.13 Ω/km		17.27 mm	7.87 mm	3
593308-000	2SC70-CT	7.87 Ω/km		13.97 mm	8.64 mm	2
157592-000	1SC50-CT	9.51 Ω/km	6 mm			1
P000000417	3SC50-CT	9.51 Ω/km		15.75 mm	7.37 mm	3
583594-000	2SC60-CT	12.26 Ω/km		12.7 mm	7.87 mm	2
115552-000	1SC40-CT	15.02 Ω/km	5.8 mm			1
P000000416	3SC40-CT	15.02 Ω/km		14.73 mm	7.11 mm	3
834824-000	2SC50-CT	19.02 Ω/km		11.43 mm	7.37 mm	2
794800-000	1SC30-CT	19.35 Ω/km	5.5 mm			1
P000000415	3SC30-CT	19.35 Ω/km		14.22 mm	6.86 mm	3
369740-000	2SC40-CT	30.04 Ω/km		10.67 mm	7.11 mm	2
099266-000	2SC30-CT	38.69 Ω/km		10.41 mm	6.86 mm	2

Table 2/2

Catalog Number	Item Name	Nominal Cable Weight
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270530-000	1SC80-CT	178 g/m
P000000420	3SC80-CT	535 g/m
808686-000	1SC70-CT	134 g/m
P000000419	3SC70-CT	402 g/m
127284-000	2SC80-CT	357 g/m
850632-000	1SC60-CT	104 g/m
P000000418	3SC60-CT	312 g/m
593308-000	2SC70-CT	268 g/m
157592-000	1SC50-CT	89 g/m
P000000417	3SC50-CT	268 g/m
583594-000	2SC60-CT	208 g/m
115552-000	1SC40-CT	74 g/m
P000000416	3SC40-CT	223 g/m
834824-000	2SC50-CT	178 g/m
794800-000	1SC30-CT	59 g/m
P000000415	3SC30-CT	178 g/m
369740-000	2SC40-CT	149 g/m
099266-000	2SC30-CT	119 g/m

ADDITIONAL PRODUCT DETAILS

Nominal Resistance @ 68°F / 20°C for 3 conductor cable, resistance values are per conductor

Max Power Output is typical value, depending on application

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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