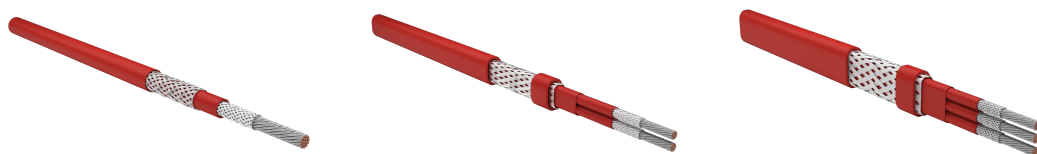


SC/H Series Heating Cable, Hi-Temp, Hazardous Area



nVent RAYCHEM SC/H series-resistance trace heating cables provide freeze protection and high-temperature maintenance for longline heating applications with low heat loss. 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 482 °F/250 °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:	250 °C
Max Intermittent Exposure Temperature, Power Off:	250 °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
912456-000	1SC/H80-CT	2.13 Ω/km	8.1 mm			1
P000000414	3SC/H80-CT	2.13 Ω/km		21.59 mm	9.4 mm	3
847304-000	1SC/H70-CT	3.94 Ω/km	7.3 mm			1
P000000431	3SC/H70-CT	3.94 Ω/km		19.05 mm	8.64 mm	3
049312-000	2SC/H80-CT	4.26 Ω/km		15.49 mm	9.4 mm	2
014770-000	1SC/H60-CT	6.13 Ω/km	6.6 mm			1
P000000430	3SC/H60-CT	6.13 Ω/km		17.27 mm	7.87 mm	3
423212-000	2SC/H70-CT	7.87 Ω/km		13.97 mm	8.64 mm	2
357170-000	1SC/H50-CT	9.51 Ω/km	6 mm			1
P000000429	3SC/H50-CT	9.51 Ω/km		25.75 mm	7.37 mm	3
150416-000	2SC/H60-CT	12.26 Ω/km		12.7 mm	7.87 mm	2
718334-000	1SC/H40-CT	15.02 Ω/km	5.8 mm			1
P000000428	3SC/H40-CT	15.02 Ω/km		14.73 mm	7.11 mm	3
250334-000	2SC/H50-CT	19.02 Ω/km		11.43 mm	7.37 mm	2
491572-000	1SC/H30-CT	19.35 Ω/km	5.5 mm			1
P000000427	3SC/H30-CT	19.35 Ω/km		14.22 mm	6.86 mm	3
174120-000	2SC/H40-CT	30.04 Ω/km		10.67 mm	7.11 mm	2

CatalogNumber	Item Name	Nominal Resistance @ 20°C	Outer Diameter	Nominal Width	Nominal Height	Conductor Quantity
279076-000	2SC/H30-CT	38.69 Ω/km		10.41 mm	6.86 mm	2

Table 2/2

Catalog Number	Item Name	Nominal Cable Weight
912456-000	1SC/H80-CT	178 g/m
P000000414	3SC/H80-CT	535 g/m
847304-000	1SC/H70-CT	134 g/m
P000000431	3SC/H70-CT	402 g/m
049312-000	2SC/H80-CT	357 g/m
014770-000	1SC/H60-CT	104 g/m
P000000430	3SC/H60-CT	312 g/m
423212-000	2SC/H70-CT	268 g/m
357170-000	1SC/H50-CT	89 g/m
P000000429	3SC/H50-CT	268 g/m
150416-000	2SC/H60-CT	208 g/m
718334-000	1SC/H40-CT	74 g/m
P000000428	3SC/H40-CT	223 g/m
250334-000	2SC/H50-CT	178 g/m
491572-000	1SC/H30-CT	59 g/m

Catalog Number	Item Name	Nominal Cable Weight
P000000427	3SC/H30-CT	178 g/m
174120-000	2SC/H40-CT	149 g/m
279076-000	2SC/H30-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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