

# SC/F SERIES HEATING CABLE, FREEZE PROTECTION, HAZARDOUS AREA



nVent RAYCHEM SC/F series-resistance trace heating cables provide freeze protection and high-temperature maintenance for longline heating applications with low heat loss. Available with 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 195 °F/90 °C. Approved for use in hazardous areas. The fluoropolymer outer jacket provides high chemical resistance against aggressive organics and corrosives.

## FEATURES

Long circuit length capability: up to 12,000 ft/3659 m from a single power source

Supports high voltages, up to 600 VAC

Reliable during long life: 10 year extended product warranty available, maintenance free

## SPECIFICATIONS

<b>Max Power Output:</b>	20 W/m
<b>Min Bending Radius:</b>	25 mm
<b>Max Continuous Exposure Temperature, Power Off:</b>	90 °C
<b>Max Intermittent Exposure Temperature, Power Off:</b>	90 °C
<b>Min Installation Temperature:</b>	-40 °C
<b>Supply Voltage:</b>	0 – 600 V
<b>Area Classification:</b>	Non-Hazardous; Hazardous
<b>Outer Jacket Material:</b>	Polyolefin
<b>Color:</b>	Red

Table 1/1

Catalog Number	Item Name	Nominal Resistance @ 20°C	Nominal Width	Nominal Height	Conductor Quantity	Nominal Cable Weight
P000000426	3SC/F80-CR	2.13 Ω/km	19.05 mm	8.38 mm	3	536 g/m
P000000425	3SC/F70-CR	3.94 Ω/km	15.24 mm	7.11 mm	3	402 g/m
P000000596	2SC/F80-CR	4.26 Ω/km	13.72 mm	8.38 mm	2	357 g/m
P000000424	3SC/F60-CR	6.13 Ω/km	13.46 mm	6.35 mm	3	312 g/m
P000000595	2SC/F70-CR	7.87 Ω/km	11.18 mm	7.11 mm	2	268 g/m

Catalog Number	Item Name	Nominal Resistance@ 20°C	Nominal Width	Nominal Height	Conductor Quantity	Nominal CableWeight
P000000423	3SC/F50-CR	9.51 Ω/km	11.94 mm	5.84 mm	3	268 g/m
P000000594	2SC/F60-CR	12.26 Ω/km	9.91 mm	6.35 mm	2	208 g/m
P000000422	3SC/F40-CR	15.02 Ω/km	10.92 mm	5.59 mm	3	223 g/m
P000000593	2SC/F50-CR	19.02 Ω/km	8.89 mm	5.84 mm	2	179 g/m
P000000421	3SC/F30-CR	19.35 Ω/km	10.41 mm	5.33 mm	3	178 g/m
P000000592	2SC/F40-CR	30.04 Ω/km	8.13 mm	5.59 mm	2	149 g/m
P000000591	2SC/F30-CR	38.69 Ω/km	7.87 mm	5.33 mm	2	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](http://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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