

XPI-S Series Heating Cable, High Temperature, 7 J



nVent RAYCHEM XPI polymer insulated (PI) series trace heating cables provide freeze protection and process temperature maintenance on long transfer lines, vessels and instrumentation lines. XPI-S: up to 260°C continuous and 300°C intermittent exposure. Can be used in both hazardous and safe environments.

FEATURES

Fast installation: very flexible cable and easy termination components

Safe and efficient in operation: stabilized electrical insulation by controlling cold flow

Reliable during long life: hybrid PTFE/PFA reduces internal mechanical/thermal stress buildup, 7 J impact resistance, 10 year product warranty available

SPECIFICATIONS

Min Clearance:	20 mm
Max Power Output:	35 W/m
Max Continuous Exposure Temperature, Power Off:	260 °C
Max Intermittent Exposure Temperature, Power Off:	300 °C
Max Cumulative Hours for Intermittent Exposure:	1000 h
Min Installation Temperature:	-70 °C
Supply Voltage:	0 – 750 V
Area Classification:	Non-Hazardous; Hazardous
Outer Jacket Material:	PTFE
Color:	Red

Table 1/1

Catalog Number	Item Name	Nominal Resistance @ 20°C	Temperature Coefficient	Outer Diameter
1244-003047	XPI-S-0.8	0.8 Ω/km	4.3 %/K	11.9 mm

Catalog Number	Item Name	Nominal Resistance @ 20°C	Temperature Coefficient	Outer Diameter
1244-003048	XPI-S-1.1	1.1 Ω/km	4.3 %/K	10.1 mm
1244-003049	XPI-S-1.8	1.8 Ω/km	4.3 %/K	8.6 mm
1244-003050	XPI-S-2.9	2.9 Ω/km	4.3 %/K	7.1 mm
1244-003051	XPI-S-4.4	4.4 Ω/km	4.3 %/K	6.5 mm
1244-003052	XPI-S-7	7 Ω/km	4.3 %/K	5.9 mm
1244-003053	XPI-S-10	10 Ω/km	4.3 %/K	5.8 mm
1244-003054	XPI-S-11.7	11.7 Ω/km	4.3 %/K	5.6 mm
1244-003055	XPI-S-15	15 Ω/km	4.3 %/K	5.5 mm
1244-003056	XPI-S-17.8	17.8 Ω/km	4.3 %/K	5.3 mm
1244-003057	XPI-S-25	25 Ω/km	3 %/K	5.5 mm
1244-003058	XPI-S-31.5	31.5 Ω/km	1.3 %/K	5.9 mm
1244-003059	XPI-S-50	50 Ω/km	1.3 %/K	5.5 mm
1244-003060	XPI-S-65	65 Ω/km	1.3 %/K	5.4 mm
1244-003061	XPI-S-80	80 Ω/km	0.7 %/K	5.7 mm
1244-003062	XPI-S-100	100 Ω/km	0.4 %/K	5.8 mm
1244-003071	XPI-S-810	810 Ω/km	0.04 %/K	5.5 mm
1244-003072	XPI-S-1000	1000 Ω/km	0.04 %/K	5.4 mm
1244-003073	XPI-S-1440	1440 Ω/km	0.04 %/K	5.6 mm

Catalog Number	Item Name	Nominal Resistance @ 20°C	Temperature Coefficient	Outer Diameter
1244-003074	XPI-S-1750	1750 Ω/km	0.04 %/K	5.5 mm
1244-003082	XPI-S-8000	8000 Ω/km	0.1 %/K	5.3 mm
1244-003081	XPI-S-7000	7000 Ω/km	0.1 %/K	5.4 mm
1244-003080	XPI-S-5600	5600 Ω/km	0.1 %/K	5.4 mm
1244-003079	XPI-S-5160	5160 Ω/km	0.1 %/K	5.5 mm
1244-003070	XPI-S-700	700 Ω/km	0.18 %/K	5.4 mm
1244-003077	XPI-S-4000	4000 Ω/km	0.35 %/K	5.4 mm
1244-003078	XPI-S-4400	4400 Ω/km	0.1 %/K	5.5 mm
1244-003069	XPI-S-600	600 Ω/km	0.18 %/K	5.4 mm
1244-003063	XPI-S-150	150 Ω/km	0.4 %/K	5.8 mm
1244-003076	XPI-S-3000	3000 Ω/km	0.35 %/K	5.6 mm
1244-003068	XPI-S-480	480 Ω/km	0.18 %/K	5.6 mm
1244-003065	XPI-S-200	200 Ω/km	0.4 %/K	5.7 mm
1244-003067	XPI-S-380	380 Ω/km	0.18 %/K	5.7 mm
1244-003075	XPI-S-2000	2000 Ω/km	0.35 %/K	5.8 mm
1244-003066	XPI-S-320	320 Ω/km	0.18 %/K	5.8 mm

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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