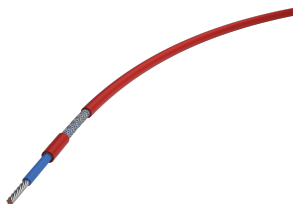


# XPI-S Series Heating Cable, High Temperature, 7 J



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

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