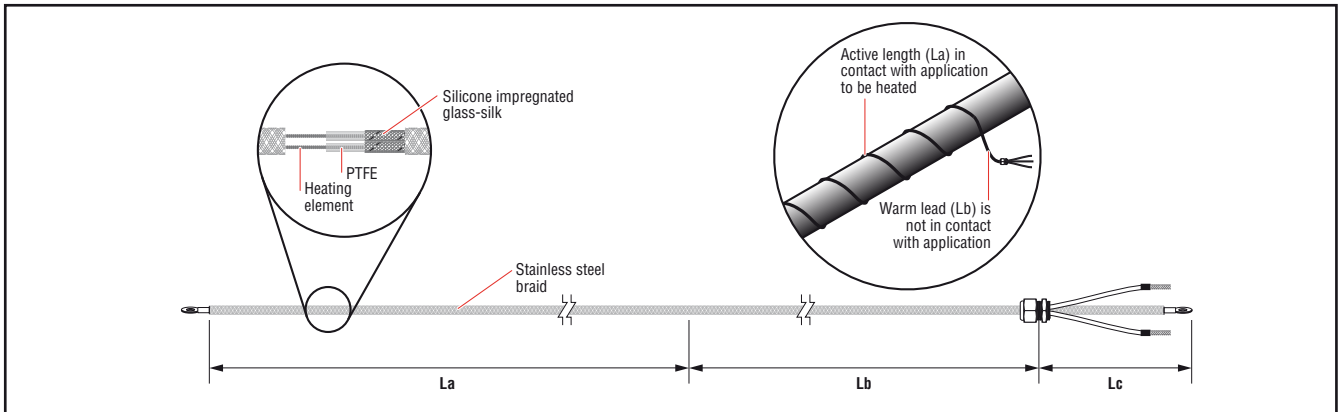


PTFE insulated heating tape

Isopad IT-ITW/SS-M is a factory-terminated heating tape having a go-and-

return series-resistance heating element insulated with a PTFE sheath covered with

a stainless-steel braid complete with M20 gland.



Area Specifications

| | |
|---|-----------------------------|
| Area classification | Nonhazardous, ordinary area |
| Ingress protection | IP64 |
| Electrical protection class | Class I |
| Maximum withstand temperature (power off) | 260°C |
| Minimum installation temperature | -70°C |

Standard Manufacturing Sizes

| | |
|-----------|-----------|
| Width | 8 mm ±10% |
| Thickness | 3 mm ±10% |

Heater Construction

| | |
|--------------------------|--|
| Type | Resistance heating cable |
| Material | Various alloys |
| Material of insulation | PTFE / silicone impregnated glass-silk |
| Material of outer sheath | Stainless steel braid |

Lead Connection

| | |
|--------------------------------|---|
| Warm lead (Lb) pipe to gland | Short or long warm lead, for length see Ordering Information |
| Glands | Brass M20 |
| Tails (Lc) gland to crimp pins | Warm tail 150 mm long Conductors insulation with PTFE and glass braid Separate braided earth lead |

Technical Data

| | |
|---------------------------|------------------|
| Frequency | 50-60 Hz |
| Nominal operating voltage | 240 / 110 Vac |
| Power per meter | 33 / 44 / 55 W/m |

Technical Data

| | |
|-------------------------------|---|
| Maximum operating temperature | 170°C at 33 W/m 140°C at 44 W/m 110°C at 55 W/m |
| Minimum bend radius | 7.5 mm |
| Minimum spacing | 10 mm |

Ordering Information

| Output | | 33 W/m | | | 44 W/m | | | 55 W/m | | |
|-------------------------------------|-------------|---------------------------------------|----------------------------------|-------------|---------------------------------------|----------------------------------|-------------|---------------------------------------|----------------------------------|-----|
| Maximum pipe temperature (power on) | | 170°C | | | 140°C | | | 110°C | | |
| Voltage | Part number | Active length (La) ⁽¹⁾ (m) | Nominal power ⁽²⁾ (W) | Part number | Active length (La) ⁽¹⁾ (m) | Nominal power ⁽²⁾ (W) | Part number | Active length (La) ⁽¹⁾ (m) | Nominal power ⁽²⁾ (W) | |
| 240 V | 847952-000 | 1.4 | 56 | 002178-000 | 1.2 | 64 | 557710-000 | 1.0 | 74 | |
| | 589014-000 | 2.7 | 96 | 718330-000 | 2.3 | 111 | 850242-000 | 2.0 | 125 | |
| | 982248-000 | 4.0 | 134 | 204374-000 | 3.5 | 152 | 682904-000 | 3.0 | 175 | |
| | 597582-000 | 5.0 | 181 | 335040-000 | 4.4 | 204 | 531646-000 | 4.0 | 223 | |
| | 968558-000 | 6.5 | 212 | 107772-000 | 5.5 | 248 | 106750-000 | 5.0 | 272 | |
| | 501660-000 | 8.0 | 267 | 448548-000 | 6.9 | 308 | 903780-000 | 6.0 | 352 | |
| | 816604-000 | 10.0 | 309 | 148750-000 | 8.3 | 368 | 544222-000 | 7.5 | 405 | |
| | 841870-000 | 11.0 | 356 | 856882-000 | 9.4 | 413 | 716584-000 | 8.5 | 455 | |
| | 296864-000 | 12.0 | 425 | 955144-000 | 10.5 | 459 | 043498-000 | 9.5 | 504 | |
| | - | - | - | - | - | - | - | 315 700-000 | 10.5 | 556 |
| 110 V | 633594-000 | 1.4 | 44 | 929724-000 | 1.2 | 50 | 740004-000 | 1.0 | 58 | |
| | 606686-000 | 2.7 | 81 | 209176-000 | 3.5 | 122 | 775996-000 | 2.0 | 105 | |
| | 388864-000 | 5.0 | 162 | 398898-000 | 4.4 | 183 | 574268-000 | 3.0 | 141 | |
| | 334416-000 | 6.5 | 189 | 923494-000 | 6.9 | 256 | 270328-000 | 4.0 | 246 | |
| | 756106-000 | 8.0 | 222 | - | - | - | 540440-000 | 5.0 | 242 | |
| | - | - | - | - | - | - | 351888-000 | 6.0 | 293 | |
| | 856262-000 | 10.0 | 280 | - | - | - | 483726-000 | 7.5 | 367 | |
| | - | - | - | - | - | - | 443400-000 | 8.5 | 454 | |
| | - | - | - | - | - | - | 357032-000 | 10.5 | 564 | |

⁽¹⁾ Tolerances <2000 mm ± (1% + 50 mm)
>2000 mm ± (2% + 100 mm)

⁽²⁾ Tolerances ±10%