

**HEAT
RESISTANCE
CABLE**

0.6/1kV THOMFLEX-SIL (U)



APPLICATION / CHARACTERISTICS

- Wiring of domestic electrical heating appliances.
- Industrial wiring in hot environments.

CABLE STANDARDS

Reference standard : IEC 60502-1



CONSTRUCTION

A) Conductor	Tinned annealed copper wires
B) Insulation	Silicone rubber
Core Identification	Customer's options

TECHNICAL DATA

Rated voltage	0.6/1kV
Test voltage	3,500V/5min.
Min. bending radius	6 x D (Fixed)
Temperature range	-60°C ~ 180°C (up to 220°C)
Flame retardant	IEC 60332-1-2

Cross-sectional area (mm ²)	Diameter of wire (mm)		Diameter of cable (mm)		Copper weight (kg/km)		Cable weight (kg/km)	
	Max.	Nom.	Nom.	Approx.	Approx.	Approx.	Approx.	
1.5	0.26		3.0	14.4	22.0			
2.5	0.26		3.6	24.0	33.0			
4	0.31		4.2	38.0	54.0			
6	0.31		4.8	58.0	74.0			
10	0.31		7.0	96.0	120.0			
16	0.41		8.4	154.0	192.0			
25	0.41		10.3	240.0	293.0			
35	0.41		11.6	336.0	405.0			

Cross-sectional area (mm ²)	Diameter of wire (mm)		Diameter of cable (mm)		Copper weight (kg/km)		Cable weight (kg/km)	
	Max.	Nom.	Nom.	Approx.	Approx.	Approx.	Approx.	
50	0.41		14.1	480.0	581.0			
70	0.51		16.4	672.0	807.0			
95	0.51		18.4	858.0	1,080.0			
120	0.51		21.0	1152.0	1,336.0			
150	0.51		23.5	1401.0	1,721.0			
185	0.51		26.0	1776.0	2,008.0			
240	0.51		29.3	2270.0	2,605.0			
300	0.51		33.0	2800.0	3,310.0			