



ROYASIL
SILICONE ELECTRICAL CABLE

THERMAL CLASS H (180°C)
-60°C +180°C

ROYASIL is composed by a Flexible copper wire class 5 and Silicone rubber (**according NORM UNE 21027 PART 1^a**)

COLOURS

Is supplied in Yellow/Green, Blue, Brown, White, Red, Green, Yellow and Grey. (Other colours on request)

FIELD OF APPLICATION

Wiring of domestic electrical heating appliances. Rotating machines in Class H. Urban lighting. Industrial wiring in hot environments.

TECHNICAL CHARACTERISTICS

THERMAL

Thermal class..... "H"
 Operating temperature..... -60°C +180°C (2 hours at 250°C)

ELECTRICAL

Working voltage 500 V (also in 380 V)
 Test voltage 2000 V

MECHANICAL

Radius of curvature..... 5 x D

CHEMICAL

Good resistance to moisture and usually chemical atmospheres.

CORE		INSULATED WIRE		ELECTRICAL CHARACTERISTICS		
CROSS SECTION mm ²	STANDING CONDUCTOR Nº wires x D. mm	CONDUCTOR DIAMETER mm	THICKNESS INSULATION mm	TOTAL DIAMETER mm	LINEAR RESISTANCE 20°C Ohm/km	PERMISSIBLE CURRENT 170°C Amp.
0.25	14 x 0.15	0.70	0.60	1.90	77.00	2.0
0.50	16 x 0.20	0.90	0.60	2.10	39.00	3.5
0.75	24 x 0.20	1.20	0.60	2.40	26.00	5.5
1.00	32 x 0.20	1.30	0.60	2.50	19.50	7.0
1.50	30 x 0.25	1.60	0.60	2.80	13.30	10.0
2.50	50 x 0.25	2.00	0.70	3.40	7.980	14.0
4	56 x 0.30	2.60	0.80	4.20	4.950	18.0
6	84 x 0.30	3.60	0.80	5.20	3.300	22.0
10	77 x 0.40	4.80	1.00	6.80	1.910	30.0
16	126 x 0.40	6.00	1.20	8.40	1.210	40.0

SUPPLY

In coils of 100 m. In a cardboard dispenser. Other sections on request.

La información que le ofrecemos es de carácter orientativo y como resultado de nuestros ensayos, pero sin asumir ninguna responsabilidad derivada de su aplicación.