

SILICONE THT (tinned copper)

Silicone cables

Flexible tinned copper cable with silicone rubber insulating sheath and a working temperature of 230° C with max accepted peak at 250° C.



TECHNICAL DATA

Nominal tension	300/500 V
Conditions of employment	For lighting equipment, for high temperatures produced by engines, transformers, generators, electric harnesses for household appliances.
Type of electrical conductor	Flexible tinned copper
Type of insulation	Silicone rubber
Color of the outer sheath	On demand (one or two colours)
Operating temperature	-60° C +230° C (peaks at 250° C)
Short circuit temperature	+230° C (max 5 sec)
Test voltage	2000 V
Cable marking	ELETTRO BRESCIA THT MAX. 250° C

REFERENCES STANDARDS

Conductor	EN 60228; IEC 60228
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DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter \pm 0,1	Minimum average external diameter	Medium outer diameter \pm 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(?/km)	(kg/km)	(kg/km)
1x0,35	0,21	0,74	0,60	N/A	N/A	2,1	N/A	6,00	3,3600
1x0,50	0,21	0,86	0,60	N/A	N/A	2,2	40,1000	8,00	4,8000
1x0,75	0,21	1,05	0,60	N/A	N/A	2,4	26,7000	11,00	7,2000
1x1,00	0,21	1,21	0,60	N/A	N/A	2,5	20,0000	14,00	9,6000
1x1,50	0,26	1,49	0,60	N/A	N/A	2,8	13,7000	18,00	14,4000
1x2,50	0,26	1,92	0,70	N/A	N/A	3,5	8,2100	28,00	24,0000
1x4,00	0,31	2,44	0,80	N/A	N/A	4,1	5,0900	45,00	38,4000
1x6,00	0,31	2,96	0,80	N/A	N/A	4,6	3,3900	62,00	57,6000
1x10,00	0,41	3,99	1,00	N/A	N/A	6,2	1,9500	110,00	96,0000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

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