

SILICONE THT (bare copper)

Silicone cables

Flexible red 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 red 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	ELETTROR BRESCHIA 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	39,0000	8,00	4,8000
1x0,75	0,21	1,05	0,60	N/A	N/A	2,4	26,0000	11,00	7,2000
1x1,00	0,21	1,21	0,60	N/A	N/A	2,5	19,5000	14,00	9,6000
1x1,50	0,26	1,44	0,60	N/A	N/A	2,8	13,3000	18,00	14,4000
1x2,50	0,26	1,88	0,70	N/A	N/A	3,4	7,9800	28,00	24,0000
1x4,00	0,31	2,44	0,80	N/A	N/A	4,1	4,9500	45,00	38,4000
1x6,00	0,31	2,96	0,80	N/A	N/A	4,6	3,3000	62,00	57,6000
1x10,00	0,41	3,99	1,00	N/A	N/A	6,2	1,9100	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.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it