SILICONE GS (tinned copper)

Silicone cables

Flexible single core cable with silicone rubber insulation.

Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	For high temperatures produced by engines, transformers, generators, electric equipment, wiring harnesses for household appliances and lighting purposes.
Conductor	Flexible tinned copper
Insulation type	Silicone rubber
Sheath colour	On demand (one or two colours)
Operating temperatures	-60° C | +180° C
Short circuit temperature	230° C (max 5 sec.)
Test voltage	2000 V
Cable markings	No markings on cable

Standard references

Conductor	EN 60228; IEC 60228

Dimensions

Cross section (Nxmm²)	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter ± 0,1 (mm)	Sheath thickness (mm)	Medium outer diameter ± 0,1 (mm)	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1x0,50	0,210	N/A	0,60	N/A	N/A	2,05	40,1000	9,50	4,80
1x0,75	0,210	N/A	0,60	N/A	N/A	2,35	26,7000	12,50	7,20
1x1,00	0,210	N/A	0,60	N/A	N/A	2,45	20,0000	14,80	9,60
1x1,50	0,260	N/A	0,60	N/A	N/A	2,75	13,7000	20,10	14,40
1x2,50	0,260	N/A	0,70	N/A	N/A	3,35	8,2100	30,70	24,00
1x4,00	0,310	N/A	0,80	N/A	N/A	4,15	5,0900	48,00	38,40
1x6,00	0,310	N/A	0,80	N/A	N/A	4,70	3,3900	64,70	57,60

Please refer to the standard series EN 50565 as guide to use for cables with a rated voltage not exceeding 450/750 V - (U0/U) and CEI 20-92 as guide for the handling and warehousing of wooden drums for electric cables.

Elettro Brescia S.p.A. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it