

H05S-K

Silicone cables

Unbraided non-sheathed heat resistant silicone rubber insulated cable.



Technical data

Nominal voltage	300/500 V
Applications/Usage conditions	Internal wiring and in protected locations at high ambient temperatures limited by maximum conductor temperature in normal use of 180 °C.
Conductor	Flexible red copper
Insulation type	EI2 (EN 50363-1)
Insulation tensile strength	≥ 5 N/mm ²
Insulation elongation at break	≥ 150%
Sheath colour	According to standard
Operating temperatures	-25° C +180° C
Short circuit temperature	350° C (max 5 sec.)
Test voltage	2000 V
Cable markings	ELETTRO BRESCIA IEMMEQU <HAR> H05S-K 1 x section

Standard references

Main standard	EN 50525-2-41
Conductor	EN 60228; IEC 60228

Dimensions

Cross section (Nxmm ²)	Wires max diameter (mm)	Conductor diameter (mm)	Core thickness (mm)	Core diameter ± 0,1 (mm)	Sheath thickness (mm)	Medium min outer diameter (mm)	Medium max outer diameter (mm)	Electrical resistance at 20° C (Ω/km)	Cable approx. weight (kg/km)	Cu factor (Kg/km)
1x0,50	0,210	0,87	0,80	N/A	N/A	2,40	2,60	39,0000	N/A	4,80
1x0,75	0,210	1,07	0,80	N/A	N/A	2,60	2,80	26,0000	N/A	7,20
1x1,00	0,210	1,23	0,80	N/A	N/A	2,70	2,90	19,5000	N/A	9,60
1x1,50	0,260	1,52	0,90	N/A	N/A	3,20	3,40	13,3000	N/A	14,40
1x2,50	0,260	1,96	1,00	N/A	N/A	3,90	4,10	7,9800	N/A	24,00

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.