

Technical Data Sheet N.° 2017-229

SGF HI-FLEX CABLES

DESCRIPTION		SPECIFICATIONS										
code	Matte	SGF10	SGF16		SGF25	SGF35		SGF50		SGF70	SGF95	SGF120
Nominal size mm ²		1X10	1X16	1X20	1X25	1X35	1X40	1X50	1X60	1X70	1X95	1X120
Outer cable diameter mm		7.3±0.3	8.7±0.3	9.2±0.2	10.5±0.4	12.0±0.4	12.6±0.4	13.8±0.4	14.8±0.4	15.9±0.5	18.2±0.5	20.1±0.6
Minimum ins. thickness mm		1.16			1.25	1.43			1.61		1.70	
Average ins. thickness mm		1.4			1.5	1.7			1.9		2.0	
Nominal Cond. construction wires X Ø mm		288 X 0.2	204 X 0.3	264 X 0.3	324 X 0.3	444 X 0.3	564 X 0.3	636 X 0.3	780 X 0.3	900 X 0.3	1224 X 0.3	1548 X 0.3
Max. cond. resistance a 20°C ohm/km		1.91	1.31	1.03	0.850	0.595	0.470	0.419	0.340	0.297	0.219	0.175
Marks	HI-FLEX "size" mm ² CE MADE IN EC											
Conductor	Flexible bare copper											
Insulation	Soft PVC (*)											
Insulation Hardness	70± 5 Shore "A"											
Temperature rating:	+5°C ÷ +70°C (mobile use) ÷ -30°C ÷ +70°C (stationary use)											
Nominal Voltage Uo/U	450/750 V											
Colour	Black											

(*)The cable has been tested according standard ISO 6722-1:2011 for insulation Class A -40°C +85°C for the following proofs, with positive results:

- Automotive's fluid compatibility

- Mechanical characteristics (tensile strenght and elongation to break, pressure test at high temperature , low temperature winding and cold impact at -40°C).

In base of this we can declare the cable conform with standard ISO 6722-1:2011 insulation Class A -40°C +85°C relatively the above mentioned proofs.

NB: the conductor is NOT part of this declaration.

Further details. drawings or other specs.

- Flame rataradant: according to IEC60332-1 ÷ CEI EN 50265
- Minimum bending radius: six times the outer diameter.
- RoHS compliant