

Technical Data Sheet N.° 2016-335

HI-FLEX CABLES

DESCRIPTION	SPECIFICATIONS							
ICC code	CE010000D	CE023000D	CE024000D	CE025000D	CE026000D	CE027000D	CE028000D	CE029000D
Nominal size mm ²	1X10	1X16	1X25	1X35	1X50	1X70	1X95	1X120
Outer cable diameter mm	7.3±0.3	8.7±0.3	10.5±0.4	12.0±0.4	13.8±0.4	15.9±0.5	18.2±0.5	20.1±0.6
Minimum insulation thickness mm	1.16		1.25	1.43		1.61	1.70	
Average insulation thickness mm	1.4		1.5	1.7		1.9	2.0	
Nominal Conductor construction wires X Ø mm	288 X 0.2	204 X 0.3	324 X 0.3	444 X 0.3	636 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	0.850	0.595	0.419	0.297	0.219	0.175
Marks	HI-FLEX "size" MM2 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 ratardant: according to IEC60332-1 ÷ CEI EN 50265
- Minimum bending radius: six times the outer diameter.
- RoHS compliant

HI-FLEX CABLES

DESCRIPTION	SPECIFICATIONS		
ICC code	CE020000D	CE021000D	CE022000D
Nominal size mm ²	1X20	1X40	1X60
Outer cable diameter mm	9.2±0.2	12.6±0.3	14.8±0.3
Minimum insulation thickness mm	1.4	1.8	1.9
Average insulation thickness mm	1.16	1.52	1.61
Nominal Conductor construction wires X Ø mm	264 X 0.3	564 X 0.3	780 X 0.3
Max. cond. resistance a 20°C ohm/km	1.03	0.470	0.340
Marks	HI-FLEX "size" MM2 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		

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