



HALLEY CABLES

H03Z1Z1-F

Rubber Cable

Flexible cable(cord) insulated and sheathed with halogen-free
L.S.O.H. thermoplastic compound



Construction:

Conductor : flexible conductor bare or tinned copper, class 5.
 Insulation : thermoplastic mixture of TI6 quality.
 Outer sheath : thermoplastic sheath of TM7 quality.

Technical data and tests:

Rated voltage U_o/U : 300 / 300 V.
 Test voltage : 2000 V.
 Maximum operating temperature : +60° C.
 Max. short circuit temperature : +150° C.
 Min. operating temperature : -10° C.
 Min. installation and use temp. : -5° C.
 Max. pulling stress : 15 N/mm² flexible applications (during installation, when the cable is pulled, it must not revolve around its axis). For fixed applications max. 50 N/mm² is accepted.

Standards:

BT 2006/95/IEC - ROHS: 2002/95/EC
 CEI 20-20/14 (CENELEC HD 21.14 S1)
 CEI EN 60332-1-2(CEI 20-35)
 CEI EN 50267
 CEI EN 60684

Applications:

For portable electrode-carriers use. It's crucial to follow the table's data of the user guide CEI 20-40 regarding the service cycles, the intensities of current and the voltage fall. In order to reduce the effects of the alternating current on the voltage fall, the cables forming the welding circuit must be kept as close as possible.

DIMENSIONS

Conductor number N°	Cross section mm ²	Approx. conductor diameter mm	Insulation thickness mm	External diameter mm		Approx. cable weight kg/km	Electric resistance at 20°C ohm/km	Current carrying capacities 30°C A
				Minimum	Maximum			
2x	0,5	0,9	0,5	4,6	5,9	34	39	3
2x	0,75	1	0,5	4,9	6,3	42	26	6
3G	0,5	0,9	0,5	4,9	6,3	41	39	3
3G	0,75	1	0,5	5,2	6,7	51	26	6
4G	0,5	0,9	0,5	5,4	6,9	49	39	3
4G	0,75	1	0,5	5,7	7,3	62	26	6

