

DATA SHEET

LgYc 450/750V

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Low voltage cable for rated voltage 450/750V with multi wire flexible conductor (Lg), with insulation made of heat-resistant PVC (Yc).

Application

Single-conductor low voltage general purpose cable designed for use in fixed installations inside devices and inside lighting fixtures with the rated voltage not exceeding 450/750V. Insulation made of heat-resistant thermoplastic PVC with the maximum working temperature of +90°C.

Technical data

Conductor: Cu-ETP1 (acc. to EN 13602), multi wire, flexible, class 5 (acc. to EN 60228)
Insulation: PVC, type T13 (acc. to EN 50363-3)
Sheath: Not applicable
Temperature range : -40°C to +90°C
Standard: PN-87/E-90054
 Cables conform to the requirements of REACH Regulation and RoHS Directive.

Technical characteristics

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Number of conductors x Nominal cross- flexoblsection mm²	Conductor structure		Resistance at 20°C mΩ/m	Insulation thickness mm	Sheath thickness mm	Outer diameter of cable		Approx. weight of cable kg/km
	Number of wires	Single wire diameter				(min.) mm	(max.) mm	
		(max.)						
		mm						
1 x 0,35	12	0,21	54,4	0,8	--	--	2,8	8,8
1 x 0,50	16	0,21	39,0	0,8	--	--	3,0	10,4
1 x 0,75	24	0,21	26,0	0,8	--	--	3,2	13,5
1 x 1,00	32	0,21	19,5	0,8	--	--	3,3	16,0
1 x 1,50	29	0,26	13,3	0,8	--	--	3,6	20,7
1 x 2,50	48	0,26	7,98	0,8	--	--	4,1	30,2
1 x 4,00	53	0,31	4,95	0,9	--	--	4,8	46,4
1 x 6,00	80	0,31	3,30	0,9	--	--	6,1	65,2
1 x 10,00	75	0,41	1,91	1,1	--	--	7,6	110,9
1 x 16,00	119	0,41	1,21	1,1	--	--	9,1	164,7
1 x 25,00	184	0,41	0,780	1,3	--	--	11,3	256,0
1 x 35,00	258	0,41	0,554	1,3	--	--	12,1	346,8
1 x 50,00	371	0,41	0,386	1,4	--	--	13,5	498,5

1 x 70,00	525	0,41	0,272	1,4	--	--	16,0	685,3
1 x 95,00	695	0,41	0,206	1,6	--	--	19,5	918,2
1 x 120,00	888	0,41	0,161	1,6	--	--	20,5	1155,3