



CONDUCEN, S. A. PLANT MANAGER DESIGN ENGINEER Replace by: New	TECHNICAL DATA ⁽¹⁾ Electrical Monoconductor - mm² Flexible 450/750 V	ET06005 Date: 2006,03,22 REVISION N°: 0 Page: 1 / 1
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Conductor material:	Annealed Copper
Insulation material:	PVC 70°C

Conductors	Nominal Section mm ²	Insulation Thickness mm	Aprox. External Diameter mm	Nominal Total weight Kg/Km	Maximum Resistance @ 20°C	Current Carrying Capacity (amperes) T _{amb} 30°C ⁽²⁾	
						two loaded conductors	three loaded conductors
1x	1.5	0.7	3.1	20	13.3	17.5	15.5
	2.5	0.8	3.6	30	7.98	24	21
	4	0.8	4.1	44	4.95	32	28
	6	0.8	4.7	62	3.3	41	36
	10	1.0	6.0	104	1.91	57	50
	16	1.0	7.1	162	1.21	76	68
	25	1.2	8.6	247	0.78	101	89
	35	1.2	9.8	338	0.554	125	110

Note (1): This data is only for information and can be changed without notice according to manufacturing process.

Note (2): Current-carrying capacities shown in the table are calculated according to IEC 60364 and for the following conditions: two and three loaded conductors in conduit on a wall, with ambient temperature of 30°C (reference method B1).

Reference Standard: IEC 227 and 228