

FASE 3

PVC cables

Single core PVC cables for automotive industries.



TECHNICAL DATA

Nominal tension	220 Vac - 300 Vdc
Conditions of employment	In a car wiring harness in case of exposure to heat sources which are not fixed on the cable (for ex. inner doors, overhead light, mixed use driver's cab/motor compartment).
Type of electrical conductor	Flexible red copper
Type of insulation	T2 (FIAT)
Color of the outer sheath	On demand (one or two colours)
Operating temperature	-25° C +105° C
Test voltage	2000 V

REFERENCES STANDARDS

Conductor	ISO 6722
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DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter \pm 0,1	Minimum average external diameter	Medium outer diameter \pm 0,2	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
1x0,35	0,21	0,74	0,30	N/A	N/A	1,25	54,4000	5,50	3,3600
1x0,50	0,21	0,86	0,35	N/A	N/A	1,55	37,1000	7,00	4,8000
1x0,75	0,21	1,05	0,35	N/A	N/A	1,80	24,7000	9,50	7,2000
1x1,00	0,21	1,21	0,35	N/A	N/A	2,00	18,5000	12,00	9,6000
1x1,50	0,26	1,44	0,35	N/A	N/A	2,25	12,7000	17,00	14,4000
1x2,00	0,26	1,79	0,35	N/A	N/A	2,50	9,4200	20,00	19,2000
1x2,50	0,26	1,88	0,35	N/A	N/A	2,70	7,6000	28,00	24,0000
1x4,00	0,31	2,44	0,40	N/A	N/A	3,40	4,7100	43,00	38,4000
1x6,00	0,31	2,96	0,45	N/A	N/A	4,00	3,1400	64,00	57,6000
1x10,00	0,41	4,02	1,15	N/A	N/A	6,30	1,8200	114,00	96,0000
1x16,00	0,41	5,03	1,95	N/A	N/A	8,70	1,1600	197,00	153,6000
1x25,00	0,31	6,90	1,50	N/A	N/A	9,40	0,7400	266,00	240,0000
1x30,00	0,31	8,10	1,65	N/A	N/A	11,00	0,6400	364,00	288,0000
1x35,00	0,41	8,40	1,50	N/A	N/A	11,40	0,5200	384,00	336,0000
1x50,00	0,41	9,90	1,70	N/A	N/A	13,30	0,3600	528,00	480,0000
1x70,00	0,41	11,90	1,90	N/A	N/A	15,50	0,2500	722,00	672,0000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it