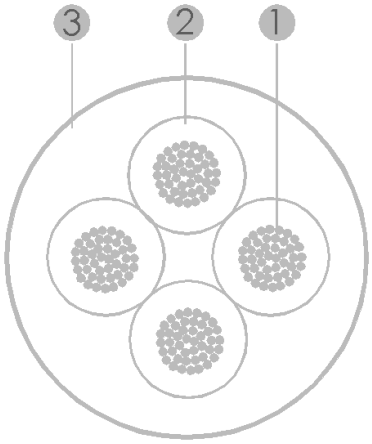
TECHNICAL DATA SHEET

Cavi auto-motive multipolari in PVC tipi FLRYY-B, FLRYY-A

Auto-motive PVC insulated multi-core cables types FLRYY-B, FLRYY-A



SCHEMATIC DRAWINGS

APPLICAZIONI
APPLICATIONS

Cavi flessibili multipolare con isolamento e guaina in PVC, idoneo per l'impiego su impianti elettrici, sistemi e componenti in bassa tensione di autoveicoli, dove l'esposizione a fonti di calore non sono fisse sulla superficie del cavo.

PVC jacketed and insulated flexible cord that is intended for use on low-voltage electrical installations, systems and components of road vehicles where the heat exposure is not continuous on cable surface.

COSTRUZIONE
CABLE STRUCTURE

1. Conduttore flessibile in rame elettrolitico rosso
   Electrolytic flexible bare copper conductor
2. Isolamento in PVC classe T2
   Class T2 PVC insulation
3. Guaina esterna in PVC classe T2
   Class T2 PVC outer sheath

Temperatura utilizzo *Temperature range*	- 40 ÷ 105 °C [@ fixed installation]	Idoneo per posa interna *Suitable for indoor use*	
Tensione di esercizio *Rated voltage*	50 V_{AC}	Idoneo per posa fissa *Suitable for fixed installation*	
Tensione di prova *Test voltage*	3 kV_{AC}	Resistenza agli agenti chimici *Resistance to chemical agents*	7.Z8220, Par. 3.8
Resistenza alla fiamma *Flame resistance*	7.Z8220, Par. 3.7	Resistenza a gasolio e benzina *Resistance to diesel and gasoline*	7.Z8220, Par. 3.8
Raggio di curvatura *Bending radius*	≥ 8xD [@ fixed installation]	Resistenza all'olio motore *Resistance to engine oil*	9.55535, 7.Z8220, Par. 3.8, [Class 01 oil]

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Sezione *Size conductor* [mm²]	Formazione conduttore *Conductor stranding* [N° x mm] FLRYY-A	 FLRYY-B	Resistenza elettrica *Electrical resistance* [Ω/Km]	Diametro su isolamento *Diameter on insulation* [mm]	Spessore di isolamento *Radial thickness of insulation* [mm]
0.35	7 x 0.254	12 x 0.193	≤ 52.0	1.25 ± 0.1	≥ 0.20
0.50	19 x 0.180	16 x 0.200	≤ 37.1	1.5 ± 0.1	≥ 0.22
0.75	19 x 0.224	24 x 0.200	≤ 24.7	1.8 ± 0.1	≥ 0.24
1	19 x 0.254	32 x 0.200	≤ 18.5	2.05 ± 0.1	≥ 0.24
1.5	19 x 0.320	30 x 0.245	≤ 12.7	2.35 ± 0.1	≥ 0.24
2.5	19 x 0.410	50 x 0.245	≤ 7.6	2.9 ± 0.1	≥ 0.28

Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]	Sezione *Size conductor* [mm²]	Diametro esterno *Outer diameter* [mm]	Spessore guaina *Thickness of jacket* [mm]
2 x 0.35	(3.6 ± 0.1)	≥ 0.50	2 x 1	(5.3 ± 0.2)	≥ 0.60
3 x 0.35	(3.8 ± 0.1)	≥ 0.50	3 x 1	(5.7 ± 0.2)	≥ 0.60
4 x 0.35	(4.2 ± 0.2)	≥ 0.50	4 x 1	(6.4 ± 0.2)	≥ 0.70
5 x 0.35	(4.5 ± 0.2)	≥ 0.50	5 x 1	(7.0 ± 0.2)	≥ 0.70
6 x 0.35	(5.0 ± 0.2)	≥ 0.60	6 x 1	(7.6 ± 0.2)	≥ 0.70
7 x 0.35	(5.0 ± 0.2)	≥ 0.60	7 x 1	(7.6 ± 0.2)	≥ 0.70
2 x 0.50	(4.3 ± 0.2)	≥ 0.60	2 x 1.5	(5.9 ± 0.2)	≥ 0.60
3 x 0.50	(4.7 ± 0.2)	≥ 0.60	3 x 1.5	(6.3 ± 0.2)	≥ 0.60
4 x 0.50	(5.1 ± 0.2)	≥ 0.60	4 x 1.5	(7.1 ± 0.2)	≥ 0.70
5 x 0.50	(5.4 ± 0.2)	≥ 0.60	5 x 1.5	(7.8 ± 0.2)	≥ 0.70
6 x 0.50	(5.8 ± 0.2)	≥ 0.60	6 x 1.5	(8.5 ± 0.2)	≥ 0.70
7 x 0.50	(5.8 ± 0.2)	≥ 0.60	7 x 1.5	(8.5 ± 0.2)	≥ 0.70
2 x 0.75	(4.8 ± 0.2)	≥ 0.60	2 x 2.5	(7.2 ± 0.2)	≥ 0.70
3 x 0.75	(5.1 ± 0.2)	≥ 0.60	3 x 2.5	(7.7 ± 0.2)	≥ 0.70
4 x 0.75	(5.6 ± 0.2)	≥ 0.60	4 x 2.5	(8.4 ± 0.2)	≥ 0.70
5 x 0.75	(6.1 ± 0.2)	≥ 0.60	5 x 2.5	(9.3 ± 0.2)	≥ 0.70
6 x 0.75	(6.6 ± 0.2)	≥ 0.60	6 x 2.5	(10.1 ± 0.2)	≥ 0.70
7 x 0.75	(6.6 ± 0.2)	≥ 0.60	7 x 2.5	(10.1 ± 0.2)	≥ 0.70

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