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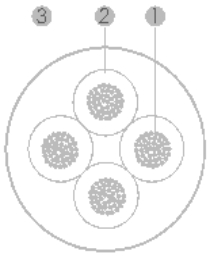
Auto-motive PVC insulated multi-core cables types FLRYY-B, FLRYY-A

1. Electrolytic flexible bare copper conductor
2. Class T2 PVC insulation
3. Class T2 PVC outer sheath



APPLICATIONS

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.

Technical Data			
Temperature range	- 40 ÷ 105 °C (@ fixed installation)	Suitable for outdoor use	
Rated voltage	50 Vac	Suitable for fixed installation	
Test voltage	3 kVac	Resistance to chemical agents	7.Z8220, Par. 3.8
Flame resistance	7.Z8220, Par. 3.7	Resistance to diesel and gasoline	7.Z8220, Par. 3.8
Bending radius	≥ 8 x D (@ fixed installation)	Resistance to engine oil	9.55535, 7.Z8220, Par. 3.8, (Class O1 oil)

Size conductor [mm2]	Conductor stranding [N° x mm] FLRYY-A	FLRYY-B	Electrical resistance [Ω / Km]	Diameter on insulation [mm]	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

Size conductor [mm2]	Outer diameter [mm]	Thickness of jacket [mm]
2 x 0.35	(3.6 ± 0.1)	≥ 0.50
3 x 0.35	(3.8 ± 0.1)	≥ 0.50
4 x 0.35	(4.2 ± 0.2)	≥ 0.50
5 x 0.35	(4.5 ± 0.2)	≥ 0.50
6 x 0.35	(5.0 ± 0.2)	≥ 0.60
7 x 0.35	(5.0 ± 0.2)	≥ 0.60
2 x 0.50	(4.3 ± 0.2)	≥ 0.60
3 x 0.50	(4.7 ± 0.2)	≥ 0.60
4 x 0.50	(5.1 ± 0.2)	≥ 0.60
5 x 0.50	(5.4 ± 0.2)	≥ 0.60
6 x 0.50	(5.8 ± 0.2)	≥ 0.60
7 x 0.50	(5.8 ± 0.2)	≥ 0.60
2 x 0.75	(4.8 ± 0.2)	≥ 0.60
3 x 0.75	(5.1 ± 0.2)	≥ 0.60
4 x 0.75	(5.6 ± 0.2)	≥ 0.60
5 x 0.75	(6.1 ± 0.2)	≥ 0.60
6 x 0.75	(6.6 ± 0.2)	≥ 0.60
7 x 0.75	(6.6 ± 0.2)	≥ 0.60

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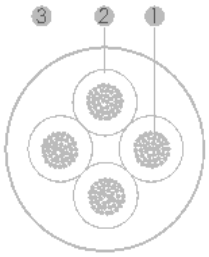

APPLICATIONS

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.

Size conductor [mm2]	Outer diameter [mm]	Thickness of jacket [mm]
2 x 1	(5.3 ± 0.2)	≥ 0.60
3 x 1	(5.7 ± 0.2)	≥ 0.60
4 x 1	(6.4 ± 0.2)	≥ 0.70
5 x 1	(7.0 ± 0.2)	≥ 0.70
6 x 1	(7.6 ± 0.2)	≥ 0.70
7 x 1	(7.6 ± 0.2)	≥ 0.70
2 x 1.5	(5.9 ± 0.2)	≥ 0.60
3 x 1.5	(6.3 ± 0.2)	≥ 0.60
4 x 1.5	(7.1 ± 0.2)	≥ 0.70
5 x 1.5	(7.8 ± 0.2)	≥ 0.70
6 x 1.5	(8.5 ± 0.2)	≥ 0.70
7 x 1.5	(8.5 ± 0.2)	≥ 0.70
2 x 2.5	(7.2 ± 0.2)	≥ 0.70
3 x 2.5	(7.7 ± 0.2)	≥ 0.70
4 x 2.5	(8.4 ± 0.2)	≥ 0.70
5 x 2.5	(9.3 ± 0.2)	≥ 0.70
6 x 2.5	(10.1 ± 0.2)	≥ 0.70
7 x 2.5	(10.1 ± 0.2)	≥ 0.70

Standard reference	ISO 6722, FIAT requirements No. : 9.91107, 91107/18, 7.Z8220, 7.Z8210, DIN 72551-5
Stranding of conductor	Electrolytic flexible bare copper conductor conforming to 9.91107/18 requirements
Insulation	105°C rated PVC conforming to class T2 as per 9.91107 requirements and B class as per ISO 6722 standard
Color of insulation	In compliance with FIAT requirements No. 91107/18
Outer sheath	105°C rated PVC conforming to T2 class as per 9.91107 requirements and B class as per ISO 6722 standard
Color of sheath	On customer's request
Marking	Embossed marking : SALCAVI SPA ITALY - YEAR