



SALCAVI  
INDUSTRIE

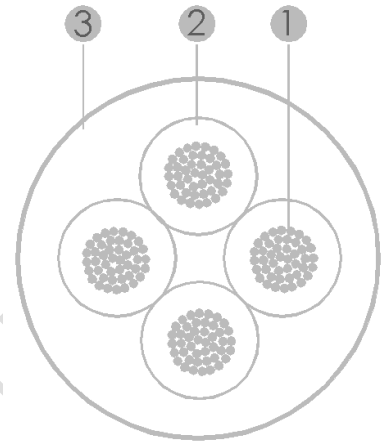
# TECHNICAL DATA SHEET

© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization



## Cavi auto-motive multipolari in PVC FLRYY-B, FLRYY-A con certificato ECE R118 Auto-motive PVC insulated multi-core cables FLRYY-B, FLRYY-A with ECE R118 certificate



### 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.*

#### CONSTRUZIONE

##### 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 ]

Tensione di esercizio  
*Rated voltage*



60 V<sub>dc</sub>

Tensione di prova  
*Test voltage*



3 kV<sub>ac</sub>

Resistenza alla fiamma  
*Flame resistance*



DIN 72551 Part 5  
ISO 6722-1  
**ECE R118 certificate**

Raggio di curvatura  
*Bending radius*



≥ 8xD  
[ @ fixed installation ]

Idoneo per posa interna  
*Suitable for indoor use*



Idoneo per posa fissa  
*Suitable for fixed installation*



Resistenza agli agenti chimici  
*Resistance to chemical agents*



7.28220, Par. 3.8

Resistenza a gasolio e benzina  
*Resistance to diesel and gasoline*



7.28220, Par. 3.8

Resistenza all'olio motore  
*Resistance to engine oil*



9.55535,  
7.28220, Par. 3.8,  
[ Class O1 oil ]

Revision Date  
03/04/2026

Issue n.  
2.0 **Addition of ECE R118 certification**

Approved by  
UTC

Page: 1 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.  
*In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.*



**SALCAVI  
INDUSTRIE**

# TECHNICAL DATA SHEET



QUALITY MANAGEMENT SYSTEM  
ISO 9001:2015

© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization

Sezione Size conductor [ mm <sup>2</sup> ]	Formazione conduttore Conductor stranding [ N° x mm ]		Resistenza elettrica Electrical resistance [ Ω/Km ]	Diametro su isolamento Diameter on insulation [ mm ]	Spessore di isolamento Radial thickness of insulation [ mm ]
	FLRYY-A	FLRYY-B			
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 [ mm <sup>2</sup> ]	Diametro esterno Outer diameter [ mm ]	Spessore guaina 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

Sezione Size conductor [ mm <sup>2</sup> ]	Diametro esterno Outer diameter [ mm ]	Spessore guaina 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

Revision Date  
03/04/2026

Issue n.  
2.0 Addition of ECE R118 certification

Approved by  
UTC

Page: 2 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.  
In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.



SALCAVI  
INDUSTRIE

# TECHNICAL DATA SHEET



© All rights reserved.

All contents of this document are our property and any copy or divulgation is not allowed without our written authorization

Riferimento normativo <i>Standard reference</i>	DIN 72551 Foglio 5, DIN 72551 Foglio 6, ISO 6722-1, Capitolato FIAT Auto No. 9.91107, certificato ECE No. E24*118R04/02*0577*00 rilasciato dal NSAI  <i>DIN 72551 Sheet No. 5, DIN 72551 Sheet No. 6, ISO 6722-1, FIAT Auto requirement No. 9.91107, ECE Type - Approval Certificate No. E24*118R04/02*0577*00 issued by NSAI</i>
Conduttore <i>Stranding of conductor</i>	Conduttore flessibile in rame rosso elettrolitico conforme al capitolato 9.91107/18  <i>Electrolytic flexible bare copper conductor conforming to 9.91107/18 requirements</i>
Isolamento <i>Insulation</i>	105°C PVC classe T2 secondo capitolato 9.91107, classe B secondo norma ISO 6722  <i>105°C rated PVC conforming to class T2 as per 9.91107 requirements and B class as per ISO 6722 standard</i>
Colore isolamento <i>Color of insulation</i>	In conformità al capitolato FIAT No. 91107/18  <i>In compliance with FIAT requirements No. 91107/18</i>
Guaina esterna <i>Outer sheath</i>	PVC 105°C, classe T2 secondo capitolato 9.91107, classe B secondo norma ISO 6722  <i>105°C rated PVC conforming to T2 class as per 9.91107 requirements and B class as per ISO 6722 standard</i>
Colore guaina <i>Color of sheath</i>	Su richiesta del cliente  <i>On customer's request</i>
Marcatura ad incisione <i>Embossed marking</i>	SALCAVI SPA ITALY - ANNO  <i>SALCAVI SPA ITALY - YEAR</i>

Revision Date  
03/04/2026

Issue n.  
2.0 **Addition of ECE R118 certification**

Approved by  
UTC

Page: 3 / 3

Al fine di perfezionare i nostri prodotti, le informazioni contenute in questa scheda possono essere variate senza preavviso. Preghiamo verificare con i ns. uffici la data e il numero di revisione.  
In order to improve our products, the information contained in this technical data sheet can be changed without notice. Please check periodically with our offices date and number of the revision.