

FLRY with thin wall PVC insulation

Type A / Type B



Temperature range (3,000 hrs)

-40 °C to +105 °C

Construction / materials

Conductor Soft-annealed electrolytic copper
Cu-ETP1 acc. to DIN EN 13602,
bare or tinned
conductor constr. acc. to ISO 6722-1

Insulation Soft-PVC with properties
according to ISO 6722-1, Class B

Standards / specifications

BMW GS 95007-1-1 · VW 60306-1 · DBL 6312
Ford ES-AU5T-1A348 · LV 112-1 · MAN 3135
BOSCH 5 998 340 · FIAT 91107/18

Nominal cross-section	Conductor construction				Insulation	Cable		
	No. of strands*	Diam. of single wire max.	Diam. of conductor max.	Electr. resistance at 20 °C bare/tinned max.	Wall thickness min.	Outer diameter		Weight approx.
						max.	Limit tolerance	
mm²		mm	mm	mΩ/m	mm	mm	mm	kg/km
FLRY – Type A								
0.22	7	0.21	0.7	84.8 / 86.5	0.20	1.2	−0.1	3.0
0.35**	7	0.26	0.8	54.4 / 55.5***	0.20	1.3	−0.1	5.0
0.5	19	0.19	1.0	37.1 / 38.2	0.22	1.6	−0.2	7.0
0.75	19	0.23	1.2	24.7 / 25.4	0.24	1.9	−0.2	9.0
1	19	0.26	1.35	18.5 / 19.1	0.24	2.1	−0.2	11.0
1.25	19	0.3	1.7	14.9 / 15.9	0.24	2.3	−0.2	15.0
1.5	19	0.32	1.7	12.7 / 13.0	0.24	2.4	−0.2	16.0
2	19	0.38	2.0	9.42 / 9.69	0.28	2.8	−0.3	22.0
2.5	19	0.41	2.2	7.6 / 7.82	0.28	3.0	−0.3	26.0
FLRY – Type B								
0.35	12	0.21	0.9	54.4 / 55.5***	0.20	1.4	−0.2	5.0
0.5	16	0.21	1.0	37.1 / 38.2	0.22	1.6	−0.2	7.0
0.75	24	0.21	1.2	24.7 / 25.4	0.24	1.9	−0.2	9.0
1	32	0.21	1.35	18.5 / 19.1	0.24	2.1	−0.2	11.0
1.25	16	0.33	1.7	14.9 / 15.9	0.24	2.3	−0.2	14.0
1.5	30	0.26	1.7	12.7 / 13.0	0.24	2.4	−0.2	16.0
2	28	0.31	2.0	9.42 / 9.69	0.28	2.8	−0.3	23.0
2.5	50	0.26	2.2	7.6 / 7.8	0.28	3.0	−0.3	26.0
3	45	0.31	2.4	6.15 / 6.36	0.32	3.4	−0.3	34.0
4	56	0.31	2.75	4.71 / 4.85	0.32	3.7	−0.3	42.0
5	65	0.33	3.1	3.94 / 4.02	0.32	4.2	−0.3	52.0
6	84	0.31	3.3	3.14 / 3.23	0.32	4.3	−0.3	61.0
8	50	0.46	4.3	2.38 / 2.52	0.32	5.0	−0.4	87.0
10	80	0.41	4.5	1.82 / 1.85	0.48	5.8	−0.4	108.0
12	96	0.41	5.4	1.52 / 1.6	0.48	6.5	−0.7	122.0
16	126	0.41	5.5	1.16 / 1.18	0.52	7.0	−0.5	170.0
20	152	0.41	6.9	0.955 / 0.999	0.52	7.8	−0.8	194.0
25	196	0.41	7.0	0.743 / 0.757	0.52	8.7	−0.8	265.0

* Nominal value, deviations from number of strands for cross-sections $\geq 6.0 \text{ mm}^2$ are permitted ($\pm 5\%$).

** This cross-section with tinned stranded conductor is suitable for use with insulation displacement connectors.

*** Also available with resistance values 52.0 / 53.1 mΩ/m bare / tinned.

