

FLRYW with thin wall PVC insulation

Type A / Type B, hot-pressure resistant



Temperature range (3,000 hrs)

-40 °C to +125 °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 C

Special properties

- Heat resistant cable
- Suitable for applications inside the engine compartment

Standards / specifications

DBL 6312 · Ford ES-AU5T-1A348

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	
					max.		Limit tolerance	
mm ²		mm	mm	mΩ/m	mm	mm	mm	kg/km
FLRYW – Type A								
0.35	7	0.26	0.8	54.4 / 55.5**	0.20	1.3	-0.1	5
0.5	19	0.19	1.0	37.1 / 38.2	0.22	1.6	-0.2	7
0.75	19	0.23	1.2	24.7 / 25.4	0.24	1.9	-0.2	9
1	19	0.26	1.35	18.5 / 19.1	0.24	2.1	-0.2	11
1.25	19	0.30	1.7	14.9 / 15.9	0.24	2.3	-0.2	12
1.5	19	0.32	1.7	12.7 / 13.0	0.24	2.4	-0.2	16
2	19	0.38	2.0	9.42 / 9.69	0.28	2.8	-0.3	22
FLRYW – Type B								
0.35	12	0.21	0.9	54.4 / 55.5**	0.20	1.4	-0.2	5
0.5	16	0.21	1.0	37.1 / 38.2	0.22	1.6	-0.2	7
0.75	24	0.21	1.2	24.7 / 25.4	0.24	1.9	-0.2	9
1	32	0.21	1.35	18.5 / 19.1	0.24	2.1	-0.2	11
1.25	16	0.33	1.7	14.9 / 15.9	0.24	2.3	-0.2	12
1.5	30	0.26	1.7	12.7 / 13.0	0.24	2.4	-0.2	16
2	28	0.31	2.0	9.42 / 9.69	0.28	2.8	-0.3	22
2.5	50	0.26	2.2	7.6 / 7.8	0.28	3.0	-0.3	26
3	45	0.31	2.4	6.15 / 6.36	0.32	3.4	-0.3	33
4	56	0.31	2.75	4.71 / 4.85	0.32	3.7	-0.3	42
5	65	0.33	3.1	3.94 / 4.02	0.32	4.2	-0.3	50
6	84	0.31	3.3	3.14 / 3.23	0.32	4.3	-0.3	61
8	50	0.46	4.3	2.38 / 2.52	0.32	5.0	-0.4	82
10	80	0.41	4.5	1.82 / 1.85	0.48	5.8	-0.4	108
12	96	0.41	5.4	1.52 / 1.6	0.48	6.5	-0.7	120
16	126	0.41	5.5	1.16 / 1.18	0.52	7.0	-0.5	170
20	152	0.41	6.9	0.955 / 0.999	0.52	7.8	-0.8	192
25	196	0.41	7.0	0.743 / 0.757	0.52	8.7	-0.8	265

* Nominal value, tolerance of number of strands $\geq 6.0 \text{ mm}^2$ are permitted ($\pm 5\%$).

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

