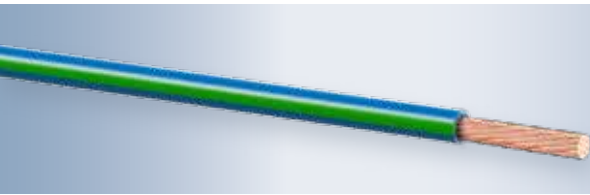


# FLR4Y with thin wall PA insulation

Type A / Type B



## Temperature range (3,000 hrs)

**-40 °C to +105 °C**

## Construction / materials

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

Insulation PA (Polyamide)

## Special properties

- Outstanding fuel resistance
- Especially suitable as fuel gauge wire

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.		Outer diameter		Weight approx.
						Wall thickness min.	max.	
mm <sup>2</sup>		mm	mm	mΩ/m	mm	mm	mm	kg/km
<b>FLR4Y – Type A</b>								
0.35	7	0.26	0.8	54.4 / 55.5*	0.20	1.3	-0.1	4
0.5	19	0.19	1.0	37.1 / 38.2	0.22	1.6	-0.2	6
0.75	19	0.23	1.2	24.7 / 25.4	0.24	1.9	-0.2	8
1	19	0.26	1.35	18.5 / 19.1	0.24	2.1	-0.2	11
1.5	19	0.32	1.7	12.7 / 13.0	0.24	2.4	-0.2	15
2.5	19	0.41	2.2	7.6 / 7.8	0.28	3.0	-0.3	24
<b>FLR4Y – Type B</b>								
0.35	12	0.21	0.9	54.4 / 55.5*	0.20	1.4	-0.2	4
0.5	16	0.21	1.0	37.1 / 38.2	0.22	1.6	-0.2	6
0.75	24	0.21	1.2	24.7 / 25.4	0.24	1.9	-0.2	8
1	32	0.21	1.35	18.5 / 19.1	0.24	2.1	-0.2	11
1.5	30	0.26	1.7	12.7 / 13.0	0.24	2.4	-0.2	15
2.5	50	0.26	2.2	7.6 / 7.8	0.28	3.0	-0.3	24
4	56	0.31	2.75	4.71 / 4.8	0.32	3.7	-0.3	40

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

# FLRYH with thin wall PVC insulation

fine wire, highly flexible



## Temperature range (3,000 hrs)

**-40 °C to +105 °C**

## Construction / materials

Conductor Soft-annealed electrolytic copper  
Cu-ETP1 acc. to DIN EN 13602,  
fine wire, bare

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

## Special properties

Flexible strand structure

## Standards / specifications

LV 112-1

Nominal cross-section	Conductor construction				Insulation	Cable		
	No. of strands*	Diam. of single wire***	Diam. of conductor max.	Electrical resistance at 20 °C max.		Outer diameter		Weight approx.
						Wall thickness min.	max.	
mm <sup>2</sup>		mm	mm	mΩ/m	mm	mm	mm	kg/km
0.35	45	0.11	0.9	54.4**	0.20	1.4	-0.2	5
0.5	64	0.11	1.0	37.1	0.22	1.6	-0.2	6
0.75	96	0.11	1.2	24.7	0.24	1.9	-0.2	9
1	126	0.11	1.35	18.5	0.24	2.1	-0.2	12
1.5	196	0.11	1.7	12.7	0.24	2.4	-0.2	16
2.5	315	0.11	2.2	7.6	0.28	3.0	-0.3	27
4	126	0.21	2.75	4.71	0.32	3.7	-0.3	42
6	189	0.21	3.4	3.1	0.32	4.3	-0.3	68
10	324	0.21	4.5	1.82	0.48	5.8	-0.4	118
16	518	0.21	5.5	1.16	0.52	7.0	-0.5	174
25	798	0.21	7.0	0.743	0.64	8.8	-0.6	263
35	1107	0.21	8.3	0.527	0.8	10.5	-0.7	377

\* Slight deviations in the number of strands are permissible ( $\pm 5\%$ ) with adherence to the electrical resistance and the max. single wire diameter.

\*\* Also available with a resistance of 52.0 mΩ/m.

\*\*\* Also available in highly flexible version.