

LEONI FLUY

the ultra-thin one – slim and light

FLUY – automotive cables with ultra-thin wall thickness

Properties

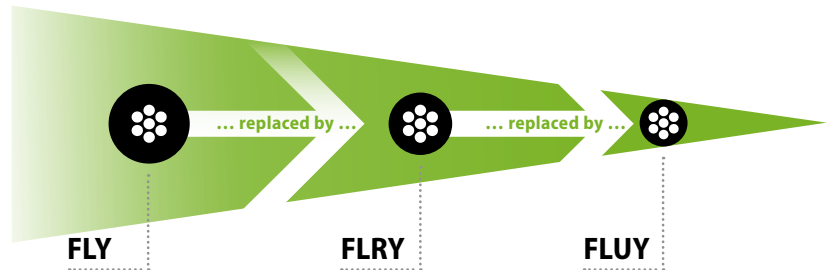
- Range of cross-section 0.35 mm² to 2.5 mm²
- In comparison with FLRY:
 - weight reduction approx. –7 %
 - diameter reduction approx. –11 %
- Good abrasion resistance
- ISO 6722-1, LV 112-1, FORD ES AU5T 1A 348-AA, GMW 15626
- Standard strand configuration type A
- Bare and tinned copper strands are possible

Advantages in assembly

Similar contact parts as FLRY

Limitations

Only within strand type A available



Benefits

- ✓ Less space – cable bundle diameter reduced up to 15 %
- ✓ Less weight – up to 1.5 kg weight saving of the total vehicle
- ✓ More space – for the use of lighter aluminium cables



Nominal cross-section	Conductor construction				Insulation		Cable		Weight ca. kg
	No. of strands	Diameter of single wire max. mm	Diameter of conductor max. mm	Electrical resistance at 20 °C max. mΩ/m	Wall thickness min. mm	Outer diameter max. mm	Limit tolerance mm		
mm ²		mm	mm	mΩ/m	mm	mm	mm		
0.35	7	0.27	0.80	52.0	0.16	1.20	-0.10	4	
0.5	19	0.19	1.00	37.1	0.16	1.40	-0.10	6	
0.75	19	0.24	1.20	24.7	0.16	1.60	-0.15	8	
1.0	19	0.27	1.35	18.5	0.16	1.75	-0.15	10	
1.25	19	0.30	1.50	14.9	0.16	2.00	-0.20	13	
1.5	19	0.33	1.70	12.7	0.16	2.10	-0.20	15	
2.0	19	0.37	1.90	9.42	0.20	2.40	-0.20	20	
2.5	19	0.41	2.20	7.60	0.20	2.70	-0.20	25	
2.5	37	0.30	2.20	7.60	0.20	2.70	-0.20	25	