

**CABLE SOLUTIONS  
FOR AUTOMOTIVE AND E-MOBILITY**

LOW VOLTAGE SINGLE CORE CABLES

# SILIFLON® FLR6Y

**-40°C to +210°C**  
Class F according to ISO 6722-1  
and ISO 19642-3



- 1 • Bare or tinned copper core according to ISO 6722-1, ISO 19642-3 and EN 13602
- 2 • FEP insulation

### Approvals - standards

- ISO 6722-1, ISO 19642-1, ISO 19642-3, EN 13602

### Applications

- Low voltage wires for automotive applications in engine compartment, automotive wiring in high temperature and aggressive environments requiring compact size and excellent mechanical strength

### Characteristics

- Resistant to pressure at high temperatures
- Excellent resistance to abrasion
- Good chemical resistance to automotive oils and fuels

### Colour code

Black, Blue, Brown, Green, Orange, Red, Purple, White, Yellow (others on request)

### Option

- Flexible version with Type C - core according to ISO 6722-1 and ISO 19642-3

## CONSTRUCTION ACCORDING TO ISO 6722-1 AND ISO 19642-3

Nominal Cross section (mm²)	Type A	Type B	Thin wall			Bare copper	Tinned copper
	Number of strands & strand diameter nom. / max. (nb. x mm)	Number of strands & strand diameter nom. / max. (nb. x mm)	Insulation thickness nom. (mm)	Insulation thickness min. (mm)	Outside wire diameter max. (mm)	Maximum linear resistance at 20°C (Ω/ km)	Maximum linear resistance at 20°C (Ω/ km)
0.13	7 x 0.16	-	0.25	0.20	1.05	136	140
0.22	7 x 0.21	-	0.25	0.20	1.20	84.8	86.5
0.35	7 x 0.27	12 x 0.21	0.25	0.20	1.40*	54.4	55.5
0.50	19 x 0.19	16 x 0.21	0.28	0.22	1.60	37.1	38.2
0.75	19 x 0.24	24 x 0.21	0.30	0.24	1.90	24.7	25.4
1	19 x 0.27	32 x 0.21	0.30	0.24	2.10	18.5	19.1
1.25	19 x 0.30	16 x 0.33	0.30	0.24	2.30	14.9	15.9
1.5	19 x 0.33	30 x 0.26	0.30	0.24	2.40	12.7	13.0
2	19 x 0.38	28 x 0.31	0.35	0.28	2.80	9.42	9.69
2.5	37 x 0.28	50 x 0.26	0.35	0.28	3.00	7.60	7.82
3	-	44 x 0.31	0.40	0.32	3.40	6.15	6.36
4	-	56 x 0.31	0.40	0.32	3.70	4.71	4.85
5	-	65 x 0.33	0.40	0.32	4.20	3.94	4.02
6	-	84 x 0.31	0.40	0.32	4.30	3.14	3.23

\* The outside wire diameter for 0.35 mm² Type A with 7 strands shall be max 1.30 mm.

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