

**FLY (-25°C / +90°C)**



**CONDUCTOR CONSTRUCTION**

**Conductor:**

Annealed Electrolytic Copper Cu-ETP according to DIN EN13602

DIN 72551, part 6, Type B and ISO 6722

**Insulation:**

PVC (Polyvinyl Chloride - Lead Free)

Plasticide PVC with properties according to DIN 72551 and ISO 6722 Class B

**Packaging:**

Refer General Information

**Ordering example:**

**FLRYB - 1600 - BR**

Type	Size	Color
Cross Section	16mm <sup>2</sup>	Brown

**INSULATED CONDUCTOR**

**Material type:** PVC

**Continuous temperature:** 105°C (3000h)

**Intermittent temperature:** 120°C (48h)

**Cold resistance:** -25°C

**Oil resistant:** Yes

**Fuel resistant:** Yes

**Abrasion resistance:** As per ISO 6722/LV112

**Flame resistance:** As per ISO 6722/LV112

**Insulation wall thickness:** Thin wall

Nominal Cross-Section mm <sup>2</sup>	Number of individual wires	Diameter of individual wires mm	Bunch Diameter maximum mm	Resistance max @ 20 C maximum mΩ/m	Insulation wall thickness minimum mm	External diameter minimum	External diameter maximum	Weight approximately kg/1000m (Cu/PVC)
0.50	16	0.20	1.0	37.1	0.44	2.0	2.3	8
0.75	24	0.20	1.3	24.7	0.44	2.3	2.5	12
1.00	32	0.20	1.5	18.5	0.44	2.5	2.7	15
1.50	30	0.25	1.8	12.7	0.44	2.8	3.0	20
2.50	50	0.25	2.1	7.6	0.56	3.4	3.6	32
4.00	56	0.31	2.8	4.71	0.62	4.0	4.4	48
6.00	84	0.31	3.2	3.14	0.62	4.6	5.0	68

**Battery cables**

Nominal Cross-Section mm <sup>2</sup>	Number of individual wires	Diameter of individual wires mm	Bunch Diameter maximum mm	Resistance max @ 20 C maximum mΩ/m	Insulation wall thickness minimum mm	External diameter minimum	External diameter maximum	Weight approximately kg/1000m (Cu/PVC)
10.00	80	0.40	4.50	1.800	0.80	6.00	6.50	117
16.00	126	0.40	6.30	1.160	0.80	7.80	8.30	193
25.00	196	0.40	7.00	0.743	1.07	9.40	10.40	274
35.00	276	0.40	9.00	0.527	1.07	10.80	11.60	397
50.00	396	0.40	10.50	0.365	1.25	12.50	13.50	547
70.00	556	0.40	12.00	0.259	1.25	14.80	15.50	769
95.00	740	0.40	14.80	0.196	1.28	17.60	18.20	990