

FLY W (-40°C / +105°C)

Heat resistant PVC automotive and battery cable



CONDUCTOR CONSTRUCTION

Conductor:

Annealed Electrolytic Copper Cu-ETP according to DIN EN13602
DIN 72551, part 6, Type B and ISO 67222

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:

FLYW - 1600 - BURD

INSULATED CONDUCTOR

Material type: PVC

Continuous temperature: 105°C (3000h)

Intermittent temperature: 120°C (48h)

Cold resistance: -40°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

Type	Size	Color
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Cross Section DIN 72551B			1.5mm ²	Blue Red
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Nominal Cross-Section mm ²	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	0.21	1.0	37.1	0.48	2.0	2.3	8
0.75	24	0.21	1.3	24.7	0.48	2.2	2.5	11
1.00	32	0.21	1.5	18.5	0.48	2.4	2.7	15
1.50	30	0.26	1.8	12.7	0.48	2.7	3.0	20
2.50	50	0.26	2.2	7.6	0.56	3.3	3.6	32
4.00	56	0.31	2.8	4.71	0.64	4.0	4.4	48
6.00	84	0.31	3.4	3.14	0.64	4.6	5.0	68

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10.00	80	0.40	4.50	1.820	0.80	6.00	6.40	117
16.00	126	0.40	6.00	1.160	0.80	7.80	8.30	193
25.00	196	0.40	7.50	0.743	0.98	9.60	10.20	274
35.00	276	0.40	8.30	0.527	1.07	11.10	11.60	397
50.00	396	0.40	10.00	0.368	1.40	13.00	13.50	547
70.00	556	0.40	12.50	0.259	1.20	14.80	15.50	769
95.00	741	0.40	14.80	0.196	1.28	17.00	18.00	990