

PVC control cable

LÜTZE-SILFLEX® ORC



Application

- Machine tools, transfer lines as well as other areas in the French automobile industry
- As monitoring, measurement and control cable
- For flexible application without compulsory guide
- Approved by the French automobile industry for use in conjunction with cutting and cooling oils

Properties

- Isolation and jacket material especially oil-stabilised according to the French automobile industry norm (**CNOMO**)
- Largely resistant to oils, greases, acids and bases
- PVC Flame-retardant, self-extinguishing
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

Voltage

U₀/U 300/500 V

Test voltage

3000 V

Insulation resistance

min. 20 MΩ × km

Temperature range

moving -5 °C to +70 °C

fixed -25 °C to +70 °C

Minimum bending radius

according to VDE 0298 table 6

Burning behaviour

Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 class 5, IEC 60228 class 5
- Special PVC conductor insulation according to HD 21.1 T11
- Black conductors with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
G = with green/yellow ground conductor; × = without ground conductor
- Conductors stranded layers
- Jacket special PVC according to CNOMO and HD 21.1 TM5, matt, adhesion-free surface
- Jacket colour grey RAL 7001

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
0.75 mm²				
101257	3G0.75	5.5	5.1	2.2
101239	4G0.75	6.2	6.6	2.9
101258	5G0.75	6.8	8.0	3.6
101259	7G0.75	7.6	10.4	5.0
101260	12G0.75	9.9	17.7	8.6
101261	18G0.75	14.1	32.7	13.0
101262	27G0.75	14.8	39.6	19.4
1.0 mm²				
101130	2×1.0	5.5	4.9	1.9
101098	3G1.0	6.1	6.4	2.9
101099	4G1.0	6.6	7.9	3.8
101100	5G1.0	7.2	9.5	4.8
101101	7G1.0	8.0	12.3	6.7
101102	12G1.0	10.7	21.7	11.5
101131	18G1.0	12.7	31.1	17.3
101104	27G1.0	15.7	47.5	25.9
101233	36G1.0	18.8	64.0	34.6
101236	48G1.0	21.3	96.0	46.1
1.5 mm²				
101135	2G1.5	6.3	6.8	2.9
101136	3G1.5	6.7	8.4	4.3
101137	4G1.5	7.5	10.8	5.8
101138	5G1.5	8.2	13.1	7.2
101139	7G1.5	9.1	17.1	10.1
101140	12G1.5	12.1	29.8	17.3
101141	18G1.5	14.4	43.3	25.9
101144	27G1.5	22.1	65.5	38.9
2.5 – 16 mm²				
101147	3G2.5	8.2	13.2	7.2
101148	4G2.5	9.1	16.7	9.6
101253	5G2.5	10.0	20.5	12.0
101226	7G2.5	11.1	26.8	16.8
101149	4G4	10.9	25.1	15.3
101151	4G6	12.8	36.0	23.0
108047	4G10	16.3	59.1	38.4
100921	4G16	18.8	86.4	61.4

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC