

HELUKABEL® SINGLE CORE UL Style 3135

Silicone single core, tinned wire, 600 V, 200°C



TECHNICAL DATA

Silicone single core acc. to UL-Std. 758 (AWM) Style 3135

Temperature range	fixed -60°C to +200°C
Nominal voltage	UL (AWM) AC 600 V
Test voltage	2000 V
Breakdown voltage	5000 V
Minimum bending radius	flexible 15x Outer-Ø fixed 7.5x Outer-Ø

CABLE STRUCTURE

- Copper wire tinned, AWG sizes
- Core insulation: silicone
- Core identification: see table

PROPERTIES

- resistant to: ozone, oxygen, alcohols, dilute acids, alkalis, saline solutions, oxidising agents, high molecular weight oils, vegetable and animal fats, plasticisers and clophen, seawater
- halogen-free

- high flash point

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- corrosiveness of combustion gases acc. to DIN VDE 0482-754-2 / DIN EN 60754-2 / IEC 60754-2
- flame-retardant acc. to CSA FT2

APPLICATION

UL/CSA approved, temperature resistant silicone single core for the internal wiring of switch cabinets, electrical and electronic devices; for use in iron, steel and rolling mills, foundries, and cement, glass and ceramic factories.

NOTES

- for fixed installation, always install in open, ventilated pipe or duct systems; otherwise, a combination of high temperatures above 90°C and the absence of air would affect the mechanical properties of silicone

AWG-No.	Conductor structure	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	black Part no.	green-yellow Part no.	blue Part no.	brown Part no.	red Part no.	white Part no.	grey Part no.	violet Part no.
24	1 x 0.5	2.1	1.9	6.3	47021	11008351	47022	47023	47024	47025	47026	47027
22	3 x 0.4	2.4	3.6	9.2	47028	11008352	47029	47030	47031	47032	47033	47034
20	5 x 0.4	2.6	6.0	12.3	47035	11008353	47036	47037	47038	47039	47040	47041
18	7 x 0.4	2.9	8.6	15.5	47042	11008354	47043	47044	47045	47046	47047	47048
16	11 x 0.4	3.3	13.3	21.0	47049	11008355	47050	47051	47052	47053	47054	47055
14	17 x 0.4	3.6	20.5	29.7	47056	11008356	47057	47058	47059	47060	47061	47062
12	27 x 0.4	4.1	32.6	43.2	47063	11008357	47064	47065	47066	47067	47068	47069

AWG-No.	Conductor structure	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	green Part no.
24	1 x 0.5	2.1	1.9	6.3	47076
22	3 x 0.4	2.4	3.6	9.2	47071
20	5 x 0.4	2.6	6.0	12.3	47072
18	7 x 0.4	2.9	8.6	15.5	47073
16	11 x 0.4	3.3	13.3	21.0	47074
14	17 x 0.4	3.6	20.5	29.7	47075
12	27 x 0.4	4.1	32.6	43.2	47070