



APPLICATION

It is made up of a special Silicone composition in order to be used in environments where service life of other silicon cables are limited. Resistant to mechanical impacts thanks to the wear and tear resistant sheath and core insulation. They are used in Foundries, Brick and Steel Plants. It is also suitable for sauna and solarium units.

STRUCTURE

1	Conductor	Electrolytic flexible copper (bare or tinned copper)
2	Insulation	EWKF Silicone (High Tear Resistance)
3	Sheath	EWKF Silicone (High Tear Resistance)

TECHNICAL SPECIFICATIONS

1	Operating voltage	300 / 500 V
2	Test voltage	2000 V
3	Short circuit voltage	5000 V
4	Electrical tests	EN 50395
5	Conductor	EN 60228
6	Storage temperature max.	+40 °C
7	Tests under fire conditions	EN 60332-1-2
8	Mechanical properties of insulator	EN 50363-1 EN 60811-1-1 EN 60811-1-2 EN 60811-2-1
9	Halogen free	EN 50267-2-1 EN 50267-2-2
10	NOTCH STRENGTH	40 Nm

	Number of cores		Cross section (mm²)	Cable outer diameter (Ø mm)	Copper (kg / km)	Cable weight (kg / km)
	2	x	0,35	4,95	6,2	32,7
	3	x	0,35	5,45	9,3	41,2
	4	x	0,35	5,90	12,4	49,5
	5	x	0,35	6,65	15,5	62,7
	6	x	0,35	6,90	18,6	69,1
	7	x	0,35	7,20	21,7	76,5
	12	x	0,35	9,75	37,2	138,0

Note:

They can be manufactured in any desired colour.

Sheath colours are black, red and white.

Insulator colours are (black, red, blue), (yellow-green, brown, blue),

(yellow-green, brown, black, grey), (yellow-green, black, brown, grey, blue)

Please refer to the table in page 282 for conductor resistance values.



-60°C / +180°C

Number of cores		Cross section (mm ²)	Cable outer diameter (Ø mm)	Copper (kg / km)	Cable weight (kg / km)
2	x	0,50	5,75	8,8	44,5
3	x	0,50	6,05	13,2	52,2
4	x	0,50	6,55	17,6	62,9
5	x	0,50	7,20	22,0	76,6
6	x	0,50	7,55	26,4	86,1
7	x	0,50	7,95	30,8	96,8
12	x	0,50	11,00	52,8	180,1
2	x	0,75	6,0	12,6	51,1
3	x	0,75	6,40	18,9	62,0
4	x	0,75	7,15	25,2	78,7
5	x	0,75	7,90	31,5	96,7
6	x	0,75	8,40	37,8	111,2
7	x	0,75	8,90	44,1	126,3
12	x	0,75	11,80	75,6	220,4
2	x	1,00	6,40	16,6	60,0
3	x	1,00	6,75	24,9	72,2
4	x	1,00	7,35	33,2	88,7
5	x	1,00	8,45	41,5	115,2
6	x	1,00	8,90	49,8	131,1
7	x	1,00	9,30	58,1	146,1
12	x	1,00	12,20	99,6	251,2
2	x	1,50	7,00	24,6	75,7
3	x	1,50	7,45	36,9	93,4
4	x	1,50	8,50	49,2	122,6
5	x	1,50	9,50	61,5	153,2
6	x	1,50	9,85	73,8	171,1
7	x	1,50	10,25	86,1	190,4
12	x	1,50	14,05	147,6	346,0
2	x	2,50	8,45	40,0	114,0
3	x	2,50	9,05	60,0	142,6
4	x	2,50	9,90	80,0	177,7
5	x	2,50	11,25	100,0	226,7
6	x	2,50	11,70	120,0	255,2
7	x	2,50	12,35	140,0	289,7
12	x	2,50	16,95	240,0	525,5
2	x	4,00	10,45	63,0	175,7
3	x	4,00	11,10	94,5	218,0
4	x	4,00	13,15	126,0	300,5
5	x	4,00	14,50	157,5	368,9
3	x	6,00	13,75	143,7	333,6
4	x	6,00	15,70	191,6	438,5
5	x	6,00	18,10	239,5	570,1
3	x	10,00	18,55	250,5	597,6
4	x	10,00	21,75	334,0	812,8
5	x	10,00	24,25	417,5	1012,3
3	x	16,00	22,30	408,0	891,3
4	x	16,00	25,95	544,0	1200,0