SOLARFLEX® MB LS0H Cca

EN 50618, IEC 62930, CPR-class Cca

TECHNICAL DATA

Cross linked single core cable

Temperature range	fixed -40°C to +90°C
Permissible operating temperature of the conductor	+120°C
Nominal voltage	AC U_0/U 1000/1000 V DC U_0/U 1500/1500 V
Test voltage	6500 V
Minimum bending radius	5 x outer-Ø

CABLE STRUCTURE

- Copper wire tinned, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: cross-linked compound
- x = without protective conductor
- Outer sheath: thermoset compound
- Sheath colour: see table

PROPERTIES

- resistant to: UV radiation, ozone, weathering effects, water
- for outdoor use
- direct burial
- halogen-free

TESTS

- halogen-free acc. to DIN VDE 0482-754-1 / DIN EN 60754-1 / IEC 60754-1
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- bundle fire test acc. to DIN VDE 0482-332-3-24 / DIN EN 603323-24 / IEC 60332-3-24
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- UV-resistant acc. to DIN VDE 0283-618 / DIN EN 50618 Appendix E
- ozone-resistant acc. to DIN VDE 0283-618 / DIN EN 50618
- weather-resistant acc. to DIN VDE 0283-618 / DIN EN 50618 Appendix E
- DC Voltage resistance of the insulation acc. to DIN VDE 0283-618 / DIN EN 50618 Tab. 2
- CPR-class: see table
- certifications and approvals: TÜV Rheinland, see table

APPLICATION

SOLARFLEX® MB LS0H Cca is used for wiring solar modules. Suitable for direct burial; recommendation: laying in pipes. Not suitable for permanent installation in water. The maximum permissible DC voltage of the system in which the cable is installed must not exceed 1.8 kV. The cable is suitable for use in and on devices and systems with protective insulation (protection class II).

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

No. cores x cross-sec. mm²	AWG, approx.	Outer-Ø min - max mm	Cu factor kg/km	Weight kg/km, approx.	blue Part no.	red Part no.	black Part no.	CPR-class:	Approval:
1 x 2.5	14	4.8 - 5.4	24.0	53.0	**18126704**	**18126705**	**18126706**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 4	12	5.0 - 6.0	38.4	60.0	**18126081**	**18126085**	**18126083**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 6	10	5.5 - 6.5	57.6	80.0	**18126082**	**18126086**	**18126084**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 10	8	6.9 - 7.7	96.0	126.0	-	**18126668**	**18126075**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 16	6	7.7 - 8.8	153.6	170.0	-	**18126683**	**18126076**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 25	4	10.0 - 10.8	240.0	270.0	-	**18126684**	**18126077**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 35	2	11.5 - 12.4	336.0	365.0	-	**18126685**	**18126078**	**Cca-s1a,d1,a2**	**EN 50618, IEC 62930**
1 x 50	1	13.8 - 14.6	480.0	646.0	-	**18126686**	**18126695**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 70	2/0	15.8 - 16.8	672.0	890.0	-	**18126687**	**18126696**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 95	3/0	17.8 - 19.0	912.0	1165.0	-	**18126688**	**18126697**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 120	4/0	19.5 - 20.9	1152.0	1464.0	-	**18126689**	**18126698**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 150	300 kcmil	21.8 - 23.4	1440.0	1803.0	-	**18126690**	**18126699**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 185	350 kcmil	24.7 - 26.3	1776.0	2243.0	-	**18126691**	**18126700**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 240	450 kcmil	27.7 - 29.7	2304.0	2861.0	-	**18126692**	**18126701**	**Cca-s1a,d2,a2**	**EN 50618, IEC 62930**
1 x 300	600 kcmil	29.9 - 32.9	2880.0	3432.0	-	**18126693**	**18126702**	**Cca-s1a,d2,a2**	**IEC 62930**
1 x 400	750 kcmil	34.2 - 37.9	3840.0	4530.0	-	**18126694**	**18126703**	**Cca-s1a,d2,a2**	**IEC 62930**