

# PV Cable Flex-Sol-Evo-TX...

MC FLEX-SOL-EVO-TX 2.5mm<sup>2</sup> TUEV EN50618 H1Z2Z2-K 1500VDC R 50359551 CE VVMDD

MC FLEX-SOL-EVO-TX 4mm<sup>2</sup> TUEV EN50618 H1Z2Z2-K 1500VDC R 50359551 CE VVMDD

MC FLEX-SOL-EVO-TX 6mm<sup>2</sup> TUEV EN50618 H1Z2Z2-K 1500VDC R 50359551 CE VVMDD

MC FLEX-SOL-EVO-TX 10mm<sup>2</sup> TUEV EN50618 H1Z2Z2-K 1500VDC R 50359551 CE VVMDD

Order No.	Type	Conductor cross section	Conductor Ø	Outer-Ø	Strand design	Conductor resistance	Approvals
		mm <sup>2</sup>	mm	mm	Number x Ø mm	Ω/km 20 °C	
62.7430-91021	FLEX-SOL-EVO-TX 2,5	2.5	2.0	5.0	47 x Ø 0.25	8.21	<b>TÜV</b>
62.7431-91021	FLEX-SOL-EVO-TX 4,0	4.0	2.4	5.4	52 x Ø 0.30	5.09	
62.7432-91021	FLEX-SOL-EVO-TX 6,0	6.0	3.0	6.0	78 x Ø 0.30	3.39	
62.7433-91021	FLEX-SOL-EVO-TX 10	10	4.1	7.2	77 x Ø 0.40	1.95	

Halogen free cross-linked polyolefin double layers photovoltaic cables for use at the photovoltaic power systems.

Technical data	
Nominal voltage	1500 V / max. 1800V (U0) (IEC)
Test voltage according to EN 50395-6	6.5 kV AC / 15 kV DC (5 min.)
Rated current	41 A (2.5 mm <sup>2</sup> ). 55 A (4.0 mm <sup>2</sup> ). 70 A (6.0 mm <sup>2</sup> ). 98 A (10 mm <sup>2</sup> )
Rated voltage	1500 V DC IEC
Insulation resistance of the complete cable according to EN 50395-8.2	≥ 1000 MΩkm
Ambient temperature	-40 °C ...+90 °C
Maximum conductor temperature	max. +120 °C
Bending radius    Dynamic	>5 × OD
Static	>4 × OD
Resistant to...	UV    Ozone    Hydrolysis
Resistance to... tested acc. to IEC 60811-2-1	Acids, alcalis and oil (IRM 902)
Isolation, acc. IEC 60332-1-2	Flame retardant with particularly low smoke emission
Conductor: fine-wire tinned copper strands Number larger than standard	Wire class 5 in accordance to IEC/EN 60228
Inner insulation (white)	XLPE (RAL9003)
Sheath insulation, with colour patch (black)	Polyolefin
Sheat color	Black
TÜV Approval according EN50618	R50359551