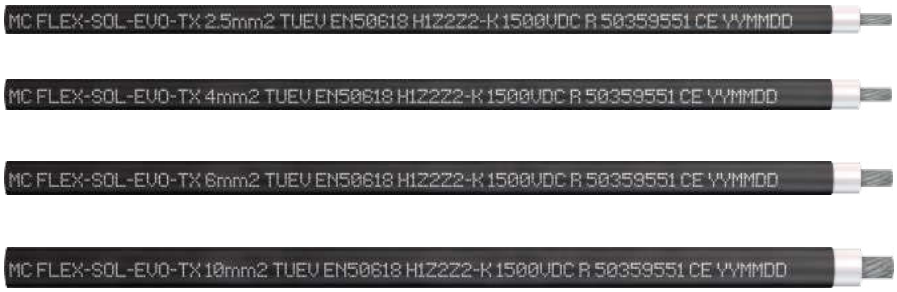
PV Cable Flex-Sol-Evo-TX...



Order No.	Type	Conductor cross section	Conductor Ø	Outer-Ø	Strand design	Conductor resistance	Approvals
		mm^2	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 × Ø 0.25	8.21	TÜV
62.7431-91021	FLEX-SOL-EVO-TX 4,0	4.0	2.4	5.4	52 × Ø 0.30	5.09	
62.7432-91021	FLEX-SOL-EVO-TX 6,0	6.0	3.0	6.0	78 × Ø 0.30	3.39	
62.7433-91021	FLEX-SOL-EVO-TX 10	10	4.1	7.2	77 × 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^2). 55 A (4.0 mm^2). 70 A (6.0 mm^2). 98 A (10 mm^2)
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 Static	>5 × OD >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) Sheath insulation, with colour patch (black)	XLPE (RAL9003) Polyolefin
Sheat color	Black
TÜV Approval according EN50618	R50359551