

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

MC FLEX-SOL-EVO-DX 2.5mm<sup>2</sup> TUEV EN50618 HI2222-K 1500VDC R 50359551 CE E470857 (UL) 14AWG PV Wire 105°C DRY 90°C WET 1000U OR 2000U SUN RES -40°C UW-1 VVMDD

MC FLEX-SOL-EVO-DX 4mm<sup>2</sup> TUEV EN50618 HI2222-K 1500VDC R 50359551 CE E470857 (UL) 12AWG PV Wire 105°C DRY 90°C WET 1000U OR 2000U SUN RES -40°C UW-1 VVMDD

MC FLEX-SOL-EVO-DX 6mm<sup>2</sup> TUEV EN50618 HI2222-K 1500VDC R 50359551 CE E470857 (UL) 10AWG PV Wire 105°C DRY 90°C WET 1000U OR 2000U SUN RES -40°C UW-1 VVMDD

MC FLEX-SOL-EVO-DX 10mm<sup>2</sup> TUEV EN50618 HI2222-K 1500VDC R 50359551 CE E470857 (UL) 8AWG PV Wire 105°C DRY 90°C WET 1000U OR 2000U SUN RES -40°C UW-1 VVMDD

Order No.	Type	Conductor cross section		Conductor Ø	Outer-Ø	Strand design	Conductor resistance	Approvals
		mm <sup>2</sup>						
62.7434-91021	FLEX-SOL-EVO-DX 2,5	2.5	14	2.0	5.94	47 x Ø 0.25	8.21	
62.7435-91021	FLEX-SOL-EVO-DX 4,0	4.0	12	2.4	6.35	52 x Ø 0.30	5.09	
62.7436-91021	FLEX-SOL-EVO-DX 6,0	6.0	10	3.0	6.97	78 x Ø 0.30	3.39	
62.7437-91021	FLEX-SOL-EVO-DX 10	10	8	4.1	8.57	77 x Ø 0.40	1.95	

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

This cable can match with most PV-components like PV-junction boxes and PV-connectors, which have a rated voltage of 1500 V DC.

Technical data	
Nominal voltage	2000 V (UL) 1500 V/max. 1800 V (U0) (IEC)
Test voltage according to EN 50395-6	7.5 kV AC/15 kV DC (5 min.)
Rated current	41 A (2.5 mm <sup>2</sup> /14 AWG). 55 A (4.0 mm <sup>2</sup> /14 AWG). 70 A (6.0 mm <sup>2</sup> /14 AWG). 98 A (10 mm <sup>2</sup> /14 AWG)
Rated voltage	1500 V DC (IEC)/2000 V DC (UL) PV-Wire
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	Class 5 in accordance to IEC/EN 60228
Inner insulation (white) Sheath insulation, with colour patch (black)	XLPO (RAL9003) Polyolefin
Sheat color	Black
DEKRA certified UL recognized component	R50359551 UL E 470857