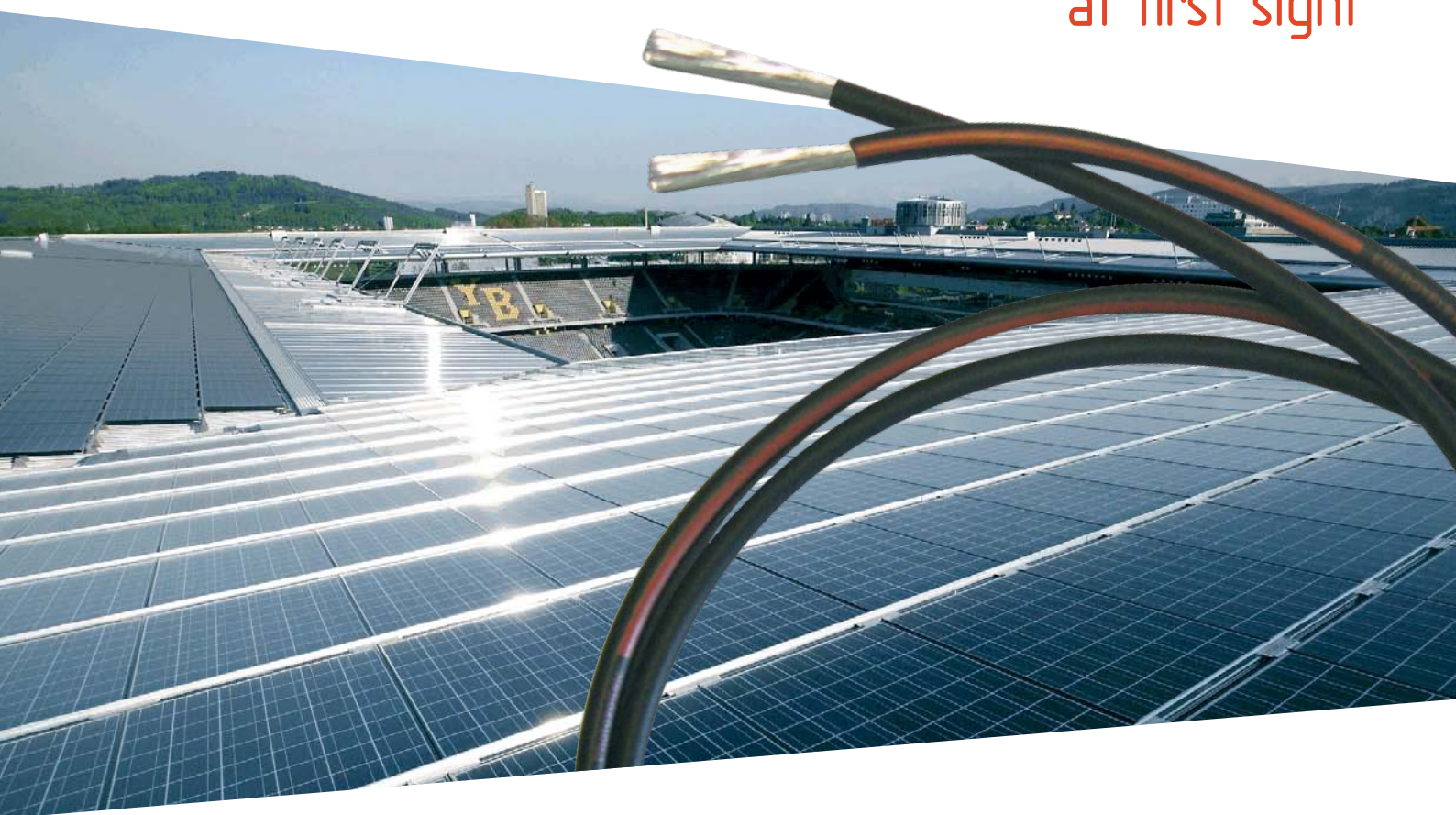


# ENERGYFLEX ONE STRIPE™

The right cable for identification  
at first sight



Nexans, worldwide leading expert in the cable industry and global player in Renewable Energies provides its customers with cables and accessories fulfilling market requirements.

Nexans covers every type of cable needed for rooftops (residential and commercial) or solar PV farms through its global offer branded KEYLIOS®. We also supply a number of essential services: from Life Cycle Assessment (LCA) to electrical simulation.

A key element of the KEYLIOS® range is the state-of-the-art 0.6 to 1kV ENERGYFLEX® cables, with its cross linked polyolefin insulation, designed to link PV panels on rooftops or in solar fields and also to connect them to array boxes or inverters. These cables are resistant to extreme temperatures (-40 °C to +120 °C), ozone and UV. These zero-halogen cables are also low-smoke and flame-retardant for enhanced fire security. ENERGYFLEX® cables fulfil all types of certifications required by the national and regional markets (TÜV, IMQ, UTE, UL).

These cables are currently designed with a black outer sheath to withstand degradation from UV.

## **ENERGYFLEX ONE STRIPE™**

Nexans has developed an innovative product with a coloured stripe either red or blue to help identify the conductors.

This product range is dedicated to the installation market - residential, commercial and solar power plant markets.

This solution allows the installers and project developers to connect more easily the module strings to the array box or to the inverter.

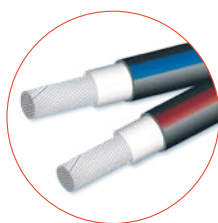
On top of this easy identification, the ENERGYFLEX ONE STRIPE™ cables will ensure long-term reliability under UV exposure keeping their high quality properties.

Your cable installations will not be altered and will durably supply the electricity from your photovoltaic installation.



### Product added value

- No degradation of the sheath unlike coloured sheaths (mostly red or blue) that will become brittle and crack after some years of UV exposure



### Customer added value

- Easy to use and to install
- Time saving
- Easy phase identification



Scan to see data sheet

## ENERGYFLEX ONE STRIPE™

CROSS SECTION	CONDUCTOR DIAMETER	LINEAR RESISTANCE	OUTER DIAMETER		APPROXIMATE WEIGHT	BENDING RADIUS	TRACTION MAX	AMPACITY UNDER STANDARD CONDITIONS, UNINTERRUPTED CONTINUOUS OPERATION: 90 °C AND AMBIENT TEMPERATURE	SHORT-CIRCUIT INTENSITY (1 SECOND)
(mm <sup>2</sup> )	(mm)	(ohm/km)	(mm)	(mm)	(kg/km)	(mm)	(N)	(A)	(A)
			mini	maxi					
1,5	1,5	13,7	4,4	4,9	32	14,7	23	21	189
2,5	1,9	8,21	4,8	5,3	49	15,9	38	29	315
4	2,5	5,09	5,5	5,9	67	17,7	60	39	504
6	2,9	3,39	5,9	6,4	87	19,2	90	50	756
10	4	1,95	7,2	7,8	134	23,4	150	70	1260
16	5,5	1,24	8,7	9,3	200	27,9	240	94	2016
25	6,5	0,795	10,5	11,2	300	33,6	375	124	3150
35	7,8	0,565	11,5	12,5	400	50	525	154	4410
50	9,5	0,393	13,0	14	550	56	750	185	6300
70	11	0,277	15,0	16	750	64	1050	237	8820
95	12,7	0,21	17,0	18	970	72	1425	288	11970
120	15,3	0,164	18,5	19,5	1250	78	1800	334	15120
150	16	0,132	21,5	22,5	1550	90	2250	383	18900
185	17,7	0,108	23,5	24,5	1900	98	2775	437	23310
240	20,3	0,0817	26,0	27,5	2400	110	3600	519	30240

Cables approved by the TÜV following 2 Pfg 1169/08,2007 and by the LCIE following UTE C 32-502  
 Marking: ENERGYFLEX © PV1-F PV1000-F 1x mm<sup>2</sup> 0.6 / 1kv Nexans 269 Photovoltaic