

## Technical Data Sheet - KBE Solar PV1-F

20.04.2009

<b>Conductor</b>	<ul style="list-style-type: none"> <li>E-Cu tinned acc. IEC 60228 Class 5</li> </ul>
<b>Insulation core</b>	<ul style="list-style-type: none"> <li>Crosslinked special Polyolefin</li> <li>36 Shore D</li> <li>Halogen free</li> <li>Weather- and UV-resistant</li> <li>Ozon resistant</li> </ul>
<b>Sheath material</b>	<ul style="list-style-type: none"> <li>Crosslinked special Polyolefin</li> <li>36 Shore D</li> <li>Halogen free</li> <li>Weather- and UV-resistant</li> <li>Ozon resistant</li> </ul>
<b>Temperature range</b>	<ul style="list-style-type: none"> <li>- 40°C to +90°C</li> <li>Max. conductor temperature +123°C, based on EN 60216-1 (20.000h, 50 % residual elongation)</li> </ul>
<b>Voltage rating</b>	<ul style="list-style-type: none"> <li><math>U_0/U = 600/1000 V_{AC}</math></li> <li>max 1800V<sub>DC</sub> (conductor-conductor, not earthed system, unloaded circuit)</li> </ul>
<b>Flame resistance</b>	<ul style="list-style-type: none"> <li>Acc. to DIN EN 60332-1-2</li> </ul>
<b>Colours</b>	<ul style="list-style-type: none"> <li>Black, red, blue</li> </ul>
<b>Directives / Certificates</b>	<ul style="list-style-type: none"> <li>TÜV 2 PFG 1169/08.2007</li> <li>Acc. to Directive RoHS 2002/95/EC</li> </ul>

### Printing: KBE SOLAR PV1-F X,XXmm<sup>2</sup>

Cross section	Conductor design	Resistance	min. insulation thickness	min. jacket thickness	Outer- ø	Weight	KBE Item no.
[mm <sup>2</sup> ]	n x max- ø [mm]	Rmax. [mΩ/m]	[mm]	[mm]	[mm]	[kg / km]	
2,5	50 x 0,260	8,21	0,5	0,5	4,60	46,0	730250015002UU
4,0	53 x 0,310	5,09	0,5	0,5	5,00	60,0	730400015001UU
6,0	80 x 0,310	3,39	0,5	0,5	5,60	80,0	730600015003UU

### Printing: KBE SOLAR PV1-F X,XXmm<sup>2</sup> V2

Cross section	Conductor design	Resistance	min. insulation thickness	min. jacket thickness	Outer- ø	Weight	KBE Item no.
[mm <sup>2</sup> ]	n x max- ø [mm]	Rmax. [mΩ/m]	[mm]	[mm]	[mm]	[kg / km]	
2,5	50 x 0,260	8,21	0,62	0,62	5,40	55,0	730250015001UU
4,0	53 x 0,310	5,09	0,62	0,62	5,90	77,0	730400015003UU
6,0	80 x 0,310	3,39	0,71	0,71	6,80	92,0	730600015001UU

