

德國 **LEONI**

太陽能電纜 Photovoltaic power cables



總代理：



凌特國際股份有限公司
Lintronix Co., Ltd.

<http://www.lintronix.com.tw>

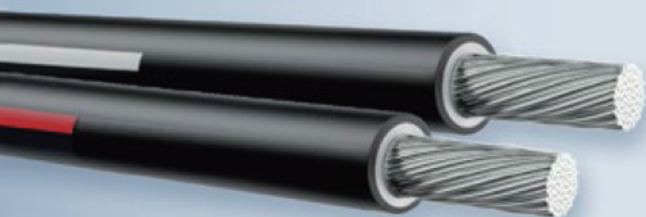


- 新北市24257新莊區中正路651-6號4樓
電話：02-29081666 傳真：02-29081678
- 台中市40854南屯區東興路一段500號
電話：04-24712125 傳真：04-24712124
- 高雄市三民區博愛一路287號4樓A06室
電話：07-3229509 傳真：07-3229956



EN50618
Certified

IEC62930
Certified



Product Features

- EN 50618 & IEC 62930
- Electron-beam cross-linked compounds
- UV, ozone and hydrolysis resistant
- High temperature resistance, the materials do not melt or flow
- Good cold flexibility
- Service life >50 years at 90°C
- Compatible to all popular connectors



Applications

LEONI photovoltaic cable used between solar modules and inverters in a photovoltaic system with a rated voltage $U_0=15$ kV DC.

Construction

- Conductor Tinned fine copper strand acc.to VDE 0295 / IEC 60228, Class 5
- Insulation XLPO, flame-retardant, halogen free, electron-beam cross-linked
- Jacket XLPO, flame-retardant, halogen free, electron-beam cross-linked, UV and ozone resistant, With white or re stripe marking
- Jacket colour • Black

Electrical characteristics

Rated voltage	$U_0=1500$ V DC (Max. permitted voltage U_0 1800 V DC)
Test voltage	6.5 kV AC 50 Hz

Thermal characteristics

Operating temperature	- 50°C up to +120 °C
Max. short circuit temp.	+280°C, +536°F / 5 s

Bending radius

Fixed installation	$>4 \times \varnothing$
Occasionally moved	$>5 \times \varnothing$

Standards / Material properties

- Fire performance IEC 60332-1
- Smoke emission IEC 61034; EN 61034-2
- Low fire load DIN 51900
- Approvals EN50618; H1Z2Z2-K, IEC 62930
- Material compliant RoHS-3, REACH
- UV Resistant BS EN50289-4-17

Nom. cross section	Nom. conductor $\varnothing$	Nom. outer $\varnothing$	Resistance max. at 20°C	Weight Fire load	Part no.	
$n \times \text{mm}^2$	mm	mm	m Ω / m	kWh/m	● White*	● Red*
1 $\times$ 2.5	1.95	5.00	8.21	0.065	201738	201739
1 $\times$ 4	2.45	5.50	5.09	0.109	201740	201741
1 $\times$ 6	3.00	6.10	3.39	0.127	201742	201743
1 $\times$ 10	3.90	7.20	1.95	0.158	201744	201745
1 $\times$ 16	5.00	8.50	1.24	0.213	201746	
1 $\times$ 25	6.20	10.40	0.79	0.314	201747	
1 $\times$ 35	7.70	11.90	0.56	0.392	201748	
1 $\times$ 50	9.70	14.30	0.39	0.549	201749	

* Jacket colour black with red or white stripe

Nominal cross section	Part no.					
$n \times \text{mm}^2$	8 $\times$ 500m		18 $\times$ 500m		8 $\times$ 1000m	
1 $\times$ 2.5	● White*	● Red*	● White*	● Red*	● White*	● Red*
1 $\times$ 4			201740V2	201741V2	201740V3	201741V3
1 $\times$ 6			201742V2	201743V2	201742V3	201743V3
1 $\times$ 10						