



PHOTOVOLTAIC POWER
TRANSMISSION SPECIALISTS

EXPERT IN SOLAR POWER TRANSMISSION

lumi-fusion products have
been sold to more than 120 countries

TUV Single Core H1Z2Z2-K



Construction

Conductor	Tinned copper, Class 5, according to IEC 60228
Insulation	XLPO halogen free
Jacket	XLPO halogen free
Insulation Color	● Black
Jacket Color	● Black Or ● Red

Parameter

Electrical characteristics		Mechanical feature	
Rated Voltage	1.0/1KVAC, 1500DC	Bending radius	Fixed: 4 ×Φ; Flexing: 5xΦ
Max. permitted voltage	1800VDC	Temperature Range	-40 °C ~ +120 °C
Insulation resistance	1000MΩ/KM	Flame-resistant test	EN 60332-1-2
Test Voltage	AC 6.5kV, 50Hz, 5 min	UV resistance Test	EN50289-4-17
Standard	EN50618&IEC62930		

Cross Section (mm ²)	Conductor Diameter (mm)	Outer Diameter (mm)	Current Carrying Capacity At 60°C(A)	Conductor Max. Resistance At 20°C(A)	Weight (kg/km)	Cable Code
1x2.5	2.0	5.0	42	8.21	50	1x2.5
1x4.0	2.5	5.5	55	5.09	60	1x4.0
1x6.0	3.3	6.1	70	3.39	80	1x6.0
1x10	4.3	8.2	98	1.95	130	1x10
1x16	5.3	9.2	132	1.24	200	1x16
1x25	6.6	11.3	176	0.795	290	1x25
1x35	7.8	12.4	218	0.565	400	1x35
1x50	9.3	14.8	280	0.393	550	1x50
1x70	11.4	16.9	350	0.277	750	1x70
1x95	12.8	18.7	410	0.210	970	1x95
1x120	14.6	20.7	480	0.164	1220	1x120
1x150	16.8	22.2	566	0.130	1470	1x150