

NAWRAY



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*New Energy Cable
And Harness Supplier*

NAWRAY CO.,LTD.

New Energy Cable And Harness
Supplier

Product Catalogue

NAWRAY

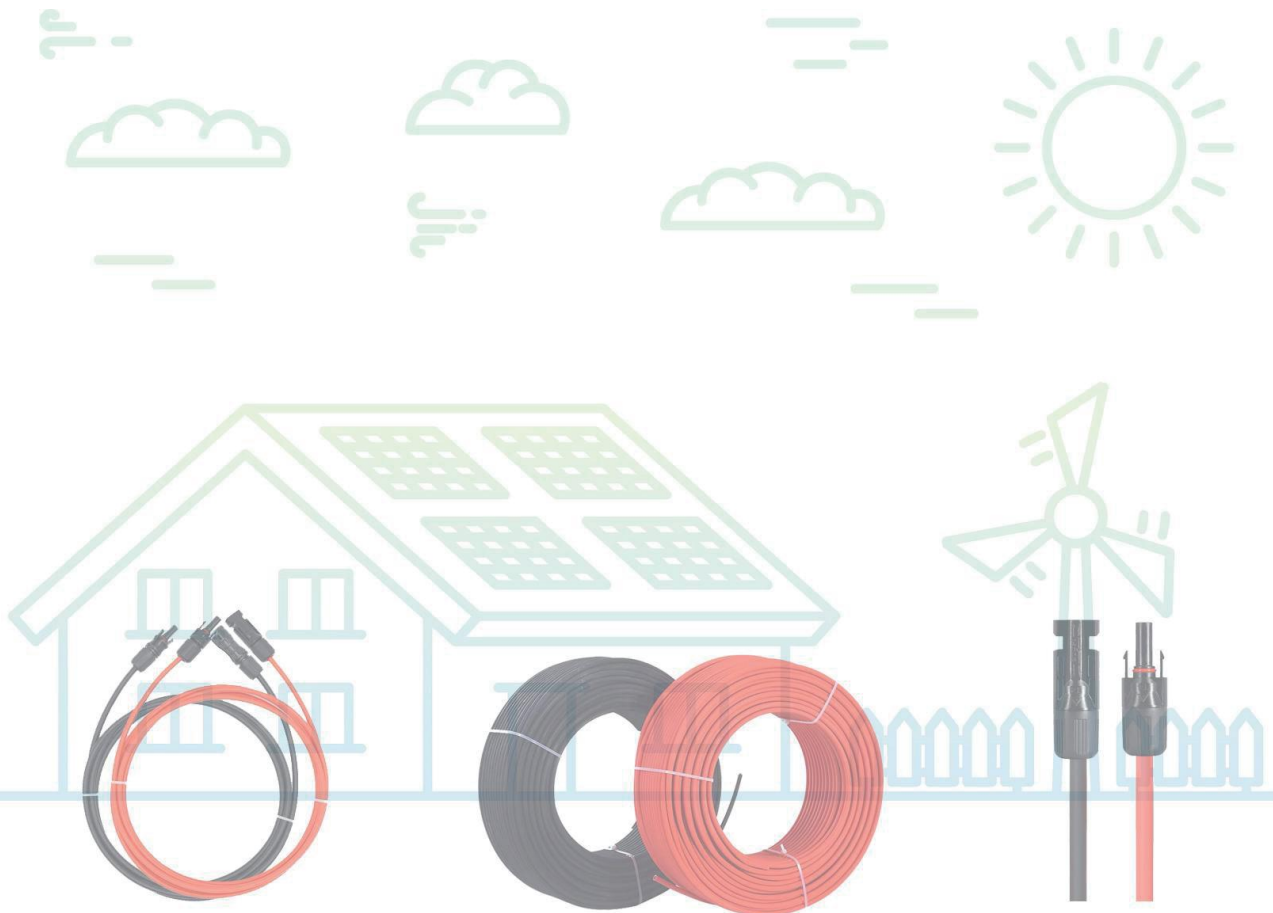
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1. Solar Cable



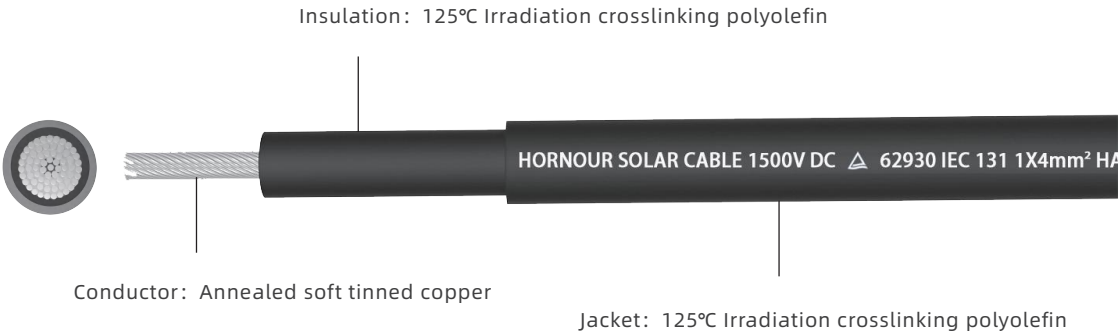
ALTERNATIVE ENERGY

IEC Single Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: IEC62930

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 125°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, IEC 60811-504
- Smoke emission of complete cable: min.light transmittance 60%, IEC61034-2

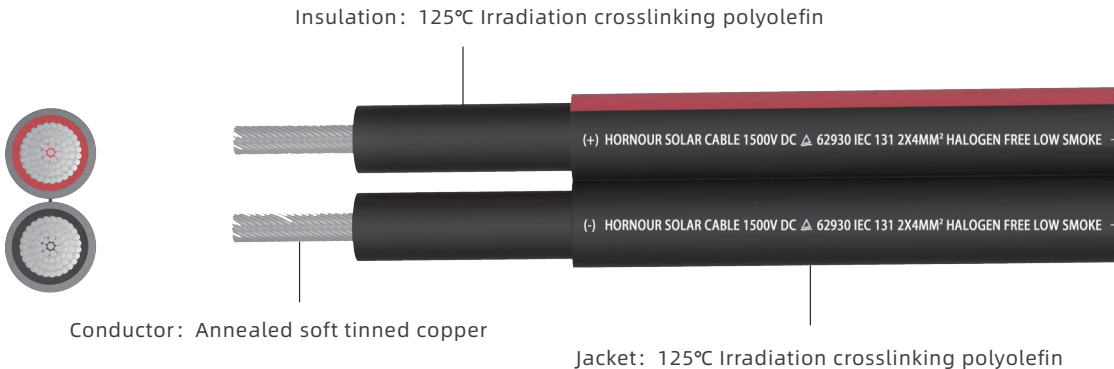
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Jacket	
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min.Insulation Resistance AT 20°C (MΩ·km)	Nominal Thickness (mm)	Cable Dia (mm)
62930 IEC 131-01	1.5	30/0.25	13.7	0.7	1050	0.8	4.7±0.1
62930 IEC 131-02	2.5	49/0.25	8.21	0.7	862	0.8	5.2±0.15
62930 IEC 131-03	4	52/0.3	5.09	0.7	709	0.8	5.4±0.2
62930 IEC 131-04	6	78/0.3	3.39	0.7	610	0.8	6.1±0.25
62930 IEC 131-05	10	77/0.4	1.95	0.7	489	0.8	7.1±0.25
62930 IEC 131-06	16	126/0.4	1.24	0.7	393	0.9	8.5±0.4
62930 IEC 131-07	25	190/0.4	0.795	0.9	395	1.0	10.4±0.5
62930 IEC 131-08	35	276/0.4	0.565	0.9	335	1.1	12.3±0.6

IEC Twin Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: IEC62930

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 125°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, IEC 60811-504
- Smoke emission of complete cable: min.light transmittance 60%, IEC61034-2

Part No.	Style of the cable (mm ²)	Conductor		Insulation		Jacket	
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min. Insulation Resistance AT 20°C (MΩ·km)	Nominal Thickness (mm)	Cable Dia (mm)
62930 IEC 131-01	2*1.5	30/0.25	13.7	0.7	1050	0.8	4.7±0.1 *9.6±0.2
62930 IEC 131-02	2*2.5	49/0.25	8.21	0.7	862	0.8	5.2±0.15 *10.6±0.3
62930 IEC 131-03	2*4	52/0.3	5.09	0.7	709	0.8	5.4±0.2 *10.9±0.4
62930 IEC 131-04	2*6	78/0.3	3.39	0.7	610	0.8	6.1±0.25 *12.3±0.5
62930 IEC 131-05	2*10	77/0.4	1.95	0.7	489	0.8	7.1±0.25 *14.3±0.5
62930 IEC 131-06	2*16	126/0.4	1.24	0.7	393	0.9	8.5±0.4 *17.2±0.8
62930 IEC 131-07	2*25	190/0.4	0.795	0.9	395	1.0	10.4±0.5 *21.1±1
62930 IEC 131-08	2*35	276/0.4	0.565	0.9	335	1.1	12.3±0.6 *25.0±1.2

EN Single Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: EN 50618

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 125°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, IEC 60811-504
- Smoke emission of complete cable: min.light transmittance 60%, IEC61034-2

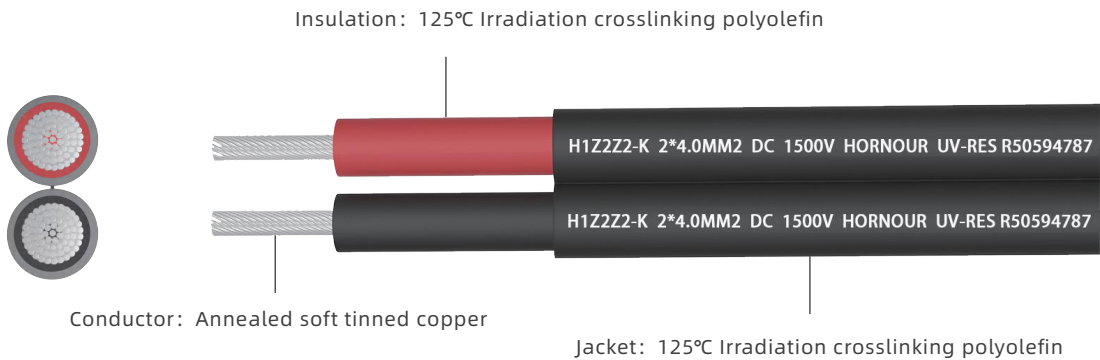
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Jacket	
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min. Insulation Resistance AT 20°C (MΩ·km)	Nominal Thickness (mm)	Cable Dia (mm)
50618EN 131-01	1.5	30/0.25	13.7	0.7	860	0.8	4.7±0.1
50618 EN 131-02	2.5	49/0.25	8.21	0.7	690	0.8	5.2±0.15
50618 EN 131-03	4	52/0.3	5.09	0.7	580	0.8	5.4±0.2
50618 EN 131-04	6	78/0.3	3.39	0.7	500	0.8	6.1±0.25
50618 EN 131-05	10	77/0.4	1.95	0.7	420	0.8	7.1±0.25
50618 EN 131-06	16	126/0.4	1.24	0.7	340	0.9	8.5±0.4
50618 EN 131-07	25	190/0.4	0.795	0.9	340	1.0	10.4±0.5
50618 EN 131-08	35	276/0.4	0.565	0.9	290	1.1	12.3±0.6

EN Twin Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: EN 50618

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 125°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, IEC 60811-504
- Smoke emission of complete cable: min.light transmittance 60%, IEC61034-2

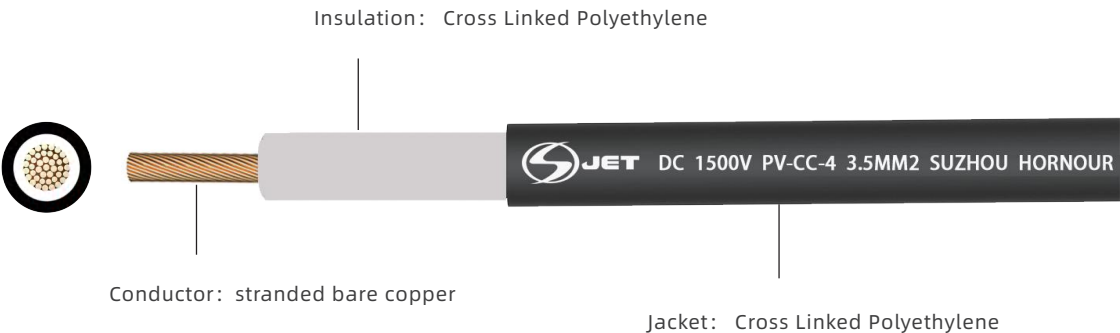
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Jacket	
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min.Insulation Resistance AT 20°C (MΩ·km)	Nominal Thickness (mm)	Cable Dia (mm)
50618EN 131-01	2*1.5	30/0.25	13.7	0.7	860	0.8	4.7±0.1 *9.6±0.2
50618 EN 131-02	2*2.5	49/0.25	8.21	0.7	690	0.8	5.2±0.15 *10.6±0.3
50618 EN 131-03	2*4	52/0.3	5.09	0.7	580	0.8	5.4±0.2 *10.9±0.4
50618 EN 131-04	2*6	78/0.3	3.39	0.7	500	0.8	6.1±0.25 *12.3±0.5
50618 EN 131-05	2*10	77/0.4	1.95	0.7	420	0.8	7.1±0.25 *14.3±0.5
50618 EN 131-06	2*16	126/0.4	1.24	0.7	340	0.9	8.5±0.4 *17.2±0.8
50618 EN 131-07	2*25	190/0.4	0.795	0.9	340	1.0	10.4±0.5 *21.1±1
50618 EN 131-08	2*35	276/0.4	0.565	0.9	290	1.1	12.3±0.6 *25.0±1.2

Japanese Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: JCS 4517 PV-CC

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, JIS C 3660-1-4
- Smoke emission of complete cable: Average must be less than or equal to 150, JCS 4517-6-21

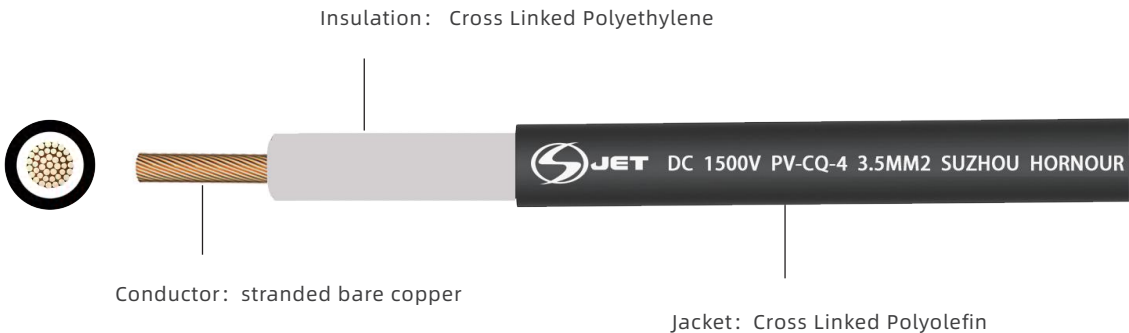
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Insulation Resistance AT 20°C (MΩ·km)	
JCS 4517 PV-CC 01	2	7/0.60	9.24	0.7	1000	5.7
JCS 4517 PV-CC 02	3.5	7/0.80	5.20	0.7	1000	6.3
JCS 4517 PV-CC 03	5.5	7/1.00	3.33	0.7	1000	7.1
JCS 4517 PV-CC 04	8	7/1.20	2.31	0.7	1000	7.8

Japanese Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: JCS 4517 PV-CQ (Bare Copper)

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, JIS C 3660-1-4
- Smoke emission of complete cable: Average must be less than or equal to 150, JCS 4517-6-21

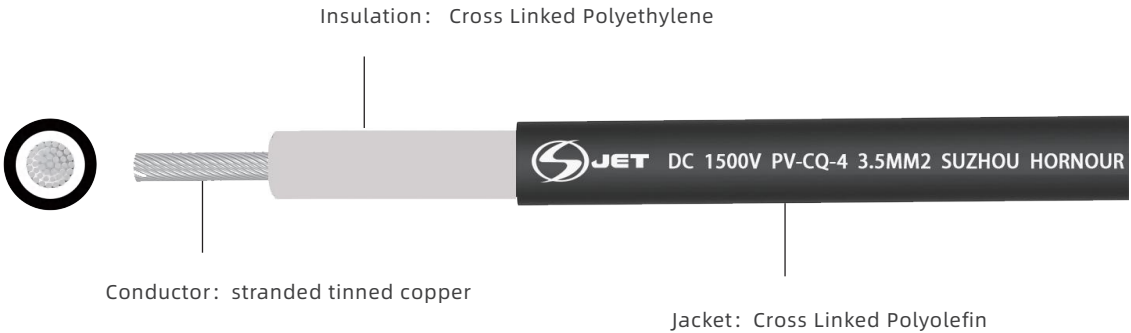
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Insulation Resistance AT 20°C (MΩ·km)	
JCS 4517 PV-CQ 01	2	7/0.60	9.24	0.7	1000	5.7
JCS 4517 PV-CQ 02	3.5	7/0.80	5.20	0.7	1000	6.3
JCS 4517 PV-CQ 03	5.5	7/1.00	3.33	0.7	1000	7.1
JCS 4517 PV-CQ 04	8	7/1.20	2.31	0.7	1000	7.8

Japanese Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: JCS 4517 PV-CQ (Tinned Copper)

Cable Structure



Features

- Rated Voltage: DC1500V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, JIS C 3660-1-4
- Smoke emission of complete cable: Average must be less than or equal to 150, JCS 4517-6-21

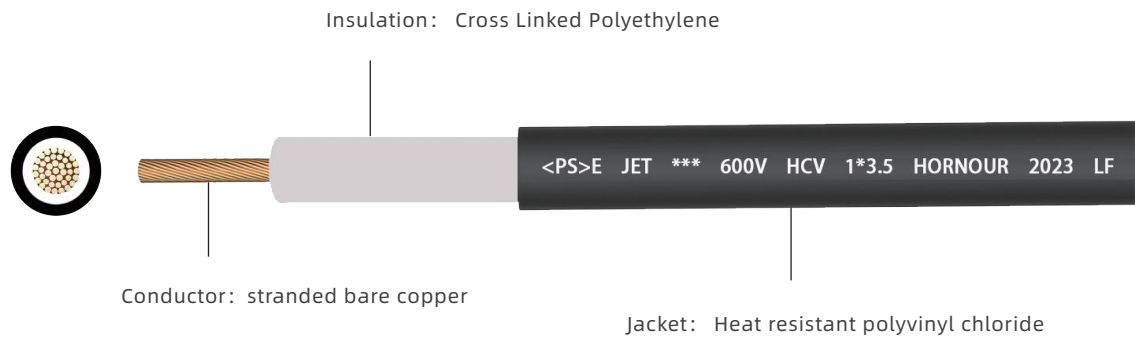
Part No.	Style of the cable (mm ²)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Insulation Resistance AT 20°C (MΩ·km)	
JCS 4517 PV-CQ 01	2	37/0.260	9.63	0.7	1000	5.7
JCS 4517 PV-CQ 02	3.5	52/0.295	5.41	0.7	1000	6.3
JCS 4517 PV-CQ 03	5.5	80/0.295	3.47	0.7	1000	7.1
JCS 4517 PV-CQ 04	8	114/0.300	2.41	0.7	1000	7.8

Japanese Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard: JIS C3605 HCV

Cable Structure



Features

- Rated Voltage: 600V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-40\pm 2^{\circ}\text{C}$, No cracks, JIS C 3605
- Flame Test: Disappears naturally within 60 seconds, JIS C 3605

Part No.	Style of the cable (mm ²)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Insulation Resistance AT 20°C (MΩ·km)	
HCV 01	2	7/0.60	9.24	0.8	2500	6.3
HCV 02	3.5	7/0.80	5.20	0.8	2500	6.9
HCV 03	5.5	7/1.00	3.33	0.8	2500	7.9
HCV 04	8	7/1.20	2.31	0.8	2000	8.5

UL 600V Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard : UL 4703

Cable Structure



Features

- Rated Voltage: 600V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: ≥4D
- Bending at low temperature: UL854
- Solar Resistance Test :-40°C×4H, No cracks, UL 2556

Part No.	Style of the cable (AWG)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Inner Layer Insulation Thickness (mm)	Outer Layer Insulation Thickness (mm)	
4703 UL 01	18	16/0.254	23.2	0.76	0.76	4.25
4703 UL 02	16	26/0.254	14.6	0.76	0.76	4.55
4703 UL 03	14	41/0.254	8.96	0.76	0.76	4.95
4703 UL 04	12	65/0.254	5.64	0.76	0.76	5.40
4703 UL 05	10	105/0.254	3.546	0.76	0.76	6.20
4703 UL 06	8	168/0.254	2.23	1.14	0.76	7.90
4703 UL 07	6	266/0.254	1.403	1.14	1.14	9.80
4703 UL 08	4	420/0.254	0.882	1.14	1.14	11.70
4703 UL 09	2	665/0.254	0.5548	1.14	1.14	13.30
4703 UL 10	1	836/0.254	0.4398	1.40	1.52	15.20
4703 UL 11	1/0	1045/0.254	0.3487	1.40	1.52	17.00
4703 UL 12	2/0	1330/0.254	0.2766	1.40	1.52	18.30
4703 UL 13	3/0	1672/0.254	0.2194	1.40	1.52	19.80
4703 UL 14	4/0	2109/0.254	0.1722	1.40	1.52	21.50

UL 1000/2000V Solar Cable

Cable for DC power transmission of photovoltaic system

Meet the standard : UL 4703

Cable Structure



Features

- Rated Voltage: 1000V、2000V
- Using temperature: -40°C ~ 90°C
- Minimum bending radius: ≥4D
- Bending at low temperature: UL854
- Solar Resistance Test :-40°C×4H, No cracks, UL 2556

Part No.	Style of the cable (AWG)	Conductor		Insulation		Cable O.D. (mm)
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Inner Layer Insulation Thickness (mm)	Outer Layer Insulation Thickness (mm)	
4703 UL 01	18	16/0.254	23.2	1.14	0.76	5.00
4703 UL 02	16	26/0.254	14.6	1.14	0.76	5.30
4703 UL 03	14	41/0.254	8.96	1.14	0.76	5.70
4703 UL 04	12	65/0.254	5.64	1.14	0.76	6.20
4703 UL 05	10	105/0.254	3.546	1.14	0.76	6.90
4703 UL 06	8	168/0.254	2.23	1.39	0.76	8.40
4703 UL 07	6	266/0.254	1.403	1.39	1.14	10.30
4703 UL 08	4	420/0.254	0.882	1.39	1.14	11.70
4703 UL 09	2	665/0.254	0.5548	1.39	1.14	13.40
4703 UL 10	1	836/0.254	0.4398	1.65	1.52	16.10
4703 UL 11	1/0	1045/0.254	0.3487	1.65	1.52	17.10
4703 UL 12	2/0	1330/0.254	0.2766	1.65	1.52	18.80
4703 UL 13	3/0	1672/0.254	0.2194	1.65	1.52	20.40
4703 UL 14	4/0	2109/0.254	0.1722	1.65	1.52	22.10

2. Electrical Cable

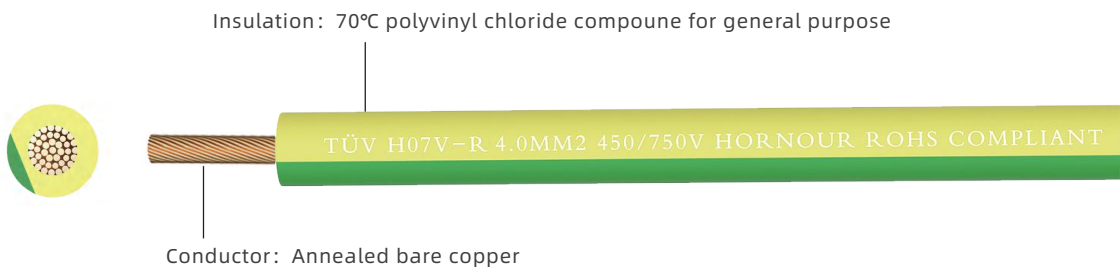


Earth Cable (Bare Copper)

Electrical protection for low-voltage power system

Meet the standard: EN50525

Cable Structure



Features

- Rated Voltage: 450/750 V
- Temperature resistance: -15°C ~ 70°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-15\pm 2^{\circ}\text{C}$, No cracks, EN 60811
- Halogen content: Chlorine and bromine: $\leq 0.5\%$
Fluorine content: $\leq 0.1\%$

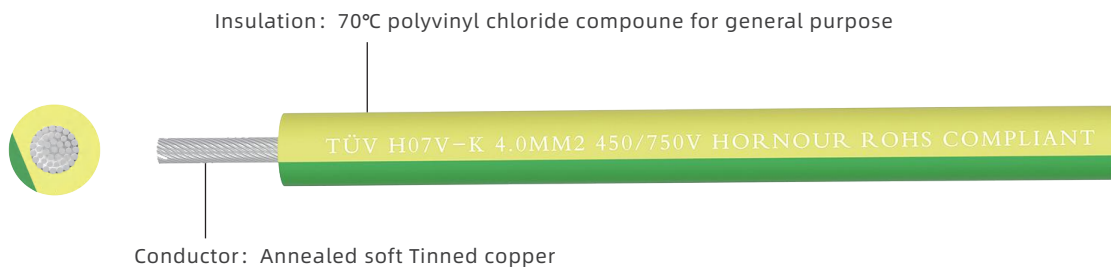
Part No.	Style of the cable (mm ²)	Conductor		Insulation		
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min. Insulation Resistance AT 20°C (MΩ·km)	Cable Dia (mm)
TÜV H07V-R 01	1.5	7/0.43	12.1	0.7	0.010	2.9±0.1
TÜV H07V-R 02	2.5	7/0.52	7.41	0.8	0.0095	3.6±0.15
TÜV H07V-R 03	4	7/0.68	4.61	0.8	0.0078	4.1±0.2
TÜV H07V-R 04	6	7/0.85	3.08	0.8	0.0068	4.6±0.2
TÜV H07V-R 05	10	7/1.04	1.83	1.0	0.0065	5.9±0.2
TÜV H07V-R 06	16	7/1.35	1.15	1.0	0.0053	7.0±0.25
TÜV H07V-R 07	25	7/2.13	0.727	1.2	0.0050	8.7±0.3
TÜV H07V-R 08	35	7/2.52	0.524	1.2	0.0043	10.2±0.3
TÜV H07V-R 09	50	10/2.52	0.387	1.4	0.0042	12±0.4
TÜV H07V-R 10	70	14/2.52	0.268	1.4	0.0036	13.8±0.4
TÜV H07V-R 11	95	19/2.52	0.193	1.6	0.0036	15.8±0.5
TÜV H07V-R 12	120	24/2.52	0.153	1.6	0.0032	17.5±0.6
TÜV H07V-R 13	150	30/2.52	0.124	1.8	0.0032	19.5±0.7
TÜV H07V-R 14	185	37/2.52	0.0991	2.0	0.0032	21.8±0.8
TÜV H07V-R 15	240	48/2.52	0.0754	2.2	0.0031	25.1±1.0

Earth Cable (Tinned Copper)

Electrical protection for low-voltage power system

Meet the standard: EN50525

Cable Structure



Features

- Rated Voltage: 450/750 V
- Temperature resistance: -15°C ~ 70°C
- Minimum bending radius: ≥4D
- Bending at low temperature: -15±2°C, No cracks, EN 60811
- Halogen content: Chlorine and bromine: ≤0.5%
Fluorine content: ≤0.1%

Part No.	Style of the cable (mm²)	Conductor		Insulation		
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min.Insulation Resistance AT 20°C (MΩ·km)	Cable Dia (mm)
TÜV H07V-K 01(bi-t)	1.5	30/0.25	13.7	0.7	0.010	2.9±0.1
TÜV H07V-K 02(bi-t)	2.5	49/0.25	8.21	0.8	0.0095	3.6±0.15
TÜV H07V-K 03(bi-t)	4	52/0.3	5.09	0.8	0.0078	4.1±0.2
TÜV H07V-K 04(bi-t)	6	78/0.3	3.39	0.8	0.0068	4.6±0.2
TÜV H07V-K 05(bi-t)	10	77/0.4	1.95	1.0	0.0065	5.9±0.2
TÜV H07V-K 06(bi-t)	16	126/0.4	1.24	1.0	0.0053	7.0±0.25
TÜV H07V-K 07(bi-t)	25	190/0.4	0.795	1.2	0.0050	8.7±0.3
TÜV H07V-K 08(bi-t)	35	276/0.4	0.565	1.2	0.0043	10.2±0.3
TÜV H07V-K 08(bi-t)	50	396/0.4	0.393	1.4	0.0042	12±0.4
TÜV H07V-K 09(bi-t)	70	349/0.495	0.277	1.4	0.0036	13.8±0.4
TÜV H07V-K 10(bi-t)	95	475/0.495	0.210	1.6	0.0036	15.8±0.5
TÜV H07V-K 11(bi-t)	120	589/0.49	0.164	1.6	0.0032	17.5±0.6
TÜV H07V-K 12(bi-t)	150	733/0.495	0.132	1.8	0.0032	19.5±0.7
TÜV H07V-K 13(bi-t)	185	925/0.49	0.108	2.0	0.0032	21.8±0.8
TÜV H07V-K 14(bi-t)	240	1221/0.49	0.0817	2.2	0.0031	25.1±1.0

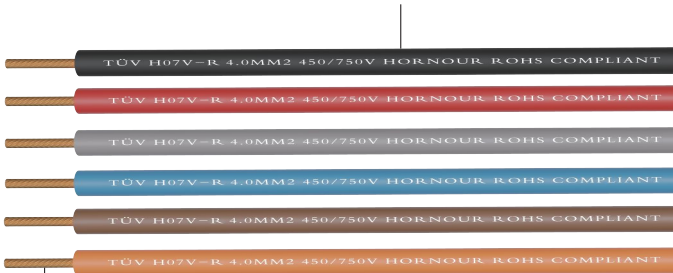
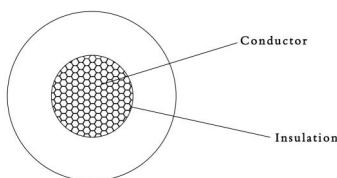
Electrical connecting cable

Electrical connecting for low-voltage power system

Meet the standard: EN50525

Cable Structure

Insulation: 70°C polyvinyl chloride compoune for general purpose



Conductor: Annealed bare copper

Features

- Rated Voltage: 450/750 V
- Temperature resistance: -15°C ~ 70°C
- Minimum bending radius: $\geq 4D$
- Bending at low temperature: $-15\pm 2^{\circ}\text{C}$, No cracks, EN 60811
- Halogen content: Chlorine and bromine: $\leq 0.5\%$
Fluorine content: $\leq 0.1\%$

Part No.	Style of the cable (mm ²)	Conductor		Insulation		
		Conductor Construction n/mm	Conductor Max Resistance AT 20°C (Ω/km)	Nominal Thickness (mm)	Min.Insulation Resistance AT 20°C (MΩ·km)	Cable Dia (mm)
TÜV H07V-R 01	1.5	7/0.43	12.1	0.7	0.010	2.9±0.1
TÜV H07V-R 02	2.5	7/0.52	7.41	0.8	0.0095	3.6±0.15
TÜV H07V-R 03	4	7/0.68	4.61	0.8	0.0078	4.1±0.2
TÜV H07V-R 04	6	7/0.85	3.08	0.8	0.0068	4.6±0.2
TÜV H07V-R 05	10	7/1.04	1.83	1.0	0.0065	5.9±0.2
TÜV H07V-R 06	16	7/1.35	1.15	1.0	0.0053	7.0±0.25
TÜV H07V-R 07	25	7/2.13	0.727	1.2	0.0050	8.7±0.3
TÜV H07V-R 08	35	7/2.52	0.524	1.2	0.0043	10.2±0.3
TÜV H07V-R 09	50	10/2.52	0.387	1.4	0.0042	12±0.4
TÜV H07V-R 10	70	14/2.52	0.268	1.4	0.0036	13.8±0.4
TÜV H07V-R 11	95	19/2.52	0.193	1.6	0.0036	15.8±0.5
TÜV H07V-R 12	120	24/2.52	0.153	1.6	0.0032	17.5±0.6
TÜV H07V-R 13	150	30/2.52	0.124	1.8	0.0032	19.5±0.7
TÜV H07V-R 14	185	37/2.52	0.0991	2.0	0.0032	21.8±0.8
TÜV H07V-R 15	240	48/2.52	0.0754	2.2	0.0031	25.1±1.0

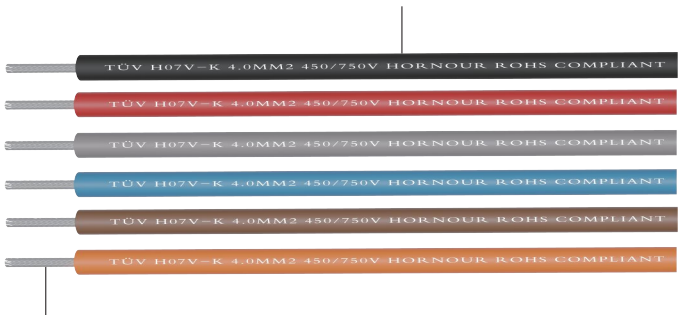
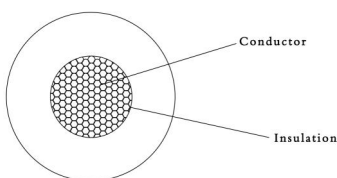
Electrical connecting cable

Electrical connecting for low-voltage power system

Meet the standard: EN50525

Cable Structure

Insulation: 70°C polyvinyl chloride compoune for general purpose



Conductor: Annealed soft tinned copper

Features

- Rated Voltage: 450/750 V
- Temperature resistance: -15°C ~ 70°C
- Minimum bending radius: ≥4D
- Bending at low temperature: -15±2°C, No cracks, EN 60811
- Halogen content: Chlorine and bromine: ≤0.5%
Fluorine content: ≤0.1%

Part No.	Style of the cable (mm ²)	Conductor		Insulation			
		Conductor Construction n/mm	Conductor Max Resistance(bare copper) AT 20°C (Ω/km)	Conductor Max Resistance(tinned cooper) AT 20°C (Ω/km)	Nominal Thickness (mm)	Min.Insulation Resistance AT 20°C (MΩ·km)	Cable Dia (mm)
TÜV H07V-K 01	1.5	30/0.25	13.3	13.7	0.7	0.010	2.9±0.1
TÜV H07V-K 02	2.5	49/0.25	7.98	8.21	0.8	0.0095	3.6±0.15
TÜV H07V-K 03	4	52/0.3	4.95	5.09	0.8	0.0078	4.1±0.2
TÜV H07V-K 04	6	78/0.3	3.30	3.39	0.8	0.0068	4.6±0.2
TÜV H07V-K 05	10	77/0.4	1.91	1.95	1.0	0.0065	5.9±0.2
TÜV H07V-K 06	16	126/0.4	1.21	1.24	1.0	0.0053	7.0±0.25
TÜV H07V-K 07	25	190/0.4	0.780	0.795	1.2	0.0050	8.7±0.3
TÜV H07V-K 08	35	276/0.4	0.554	0.565	1.2	0.0043	10.2±0.3
TÜV H07V-K 08	50	396/0.4	0.386	0.393	1.4	0.0042	12±0.4
TÜV H07V-K 09	70	349/0.495	0.272	0.277	1.4	0.0036	13.8±0.4
TÜV H07V-K 10	95	475/0.495	0.206	0.210	1.6	0.0036	15.8±0.5
TÜV H07V-K 11	120	589/0.49	0.161	0.164	1.6	0.0032	17.5±0.6
TÜV H07V-K 12	150	733/0.495	0.129	0.132	1.8	0.0032	19.5±0.7
TÜV H07V-K 13	185	925/0.49	0.106	0.108	2.0	0.0032	21.8±0.8
TÜV H07V-K 14	240	1221/0.49	0.0801	0.0817	2.2	0.0031	25.1±1.0

3. Solar integrated harness

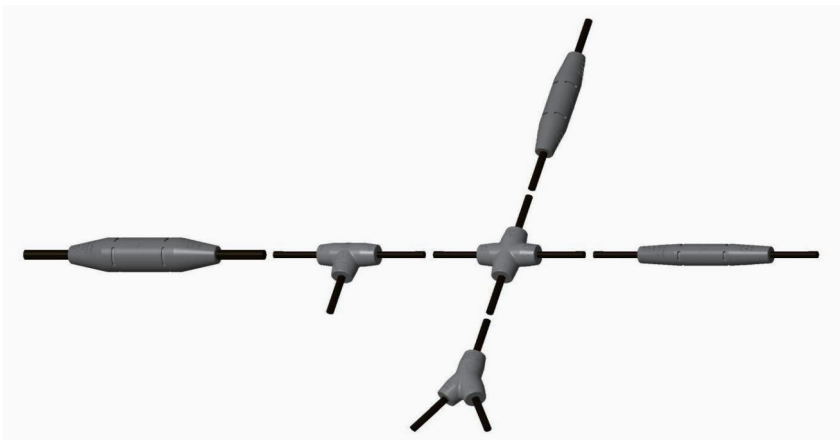


Solar integrated harness

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Custom manufactured to the installation
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG
- Resistance welded joints
- UV/sunlight resistant

PRODUCT TYPE	CABLE SIZE	FUSE RATING (FOR FUSE ONLY)	VOLTAGE
JD-F: FUSE HOLDER	A: 12AWG	01: 1A	1500V
JD-T: T JUNCTION	B: 10AWG	02: 2A	1500V
JD-X: X JUNCTION	C: 8AWG	xx: UPTO65A	1500V
JD-Y: Y JUNCTION	D: 6AWG		1500V

Caution

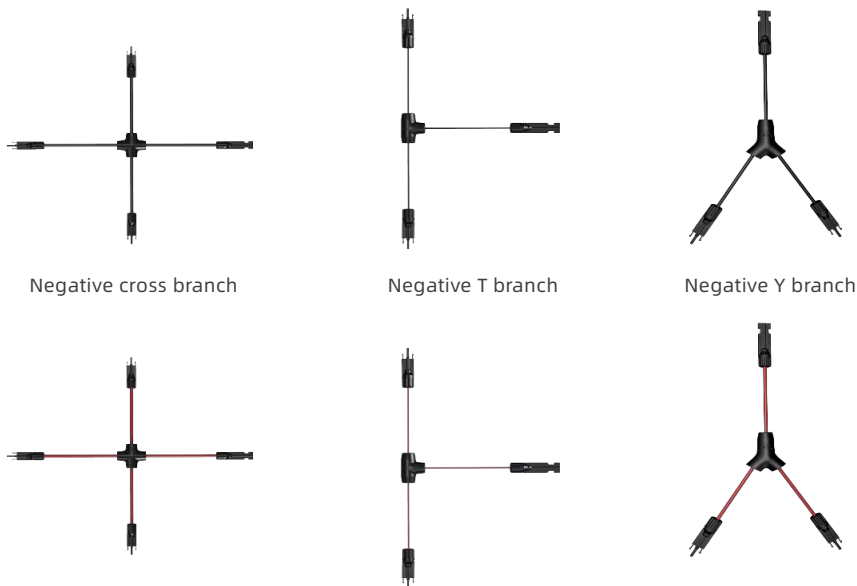
- DO NOT DISCONNECT UNDER LOAD.
- WIRE HARNESS NOMENCLATURE FOR ALL OF WIRING HARNESSES AND FUSEHOLDERS.
- AMBIENT TEMPERATURE -40C TO +90CAMBIENT TEMPERATURE -40C TO +90C.
- RATED VOLTAGE 1500V.

Branch connectors TYX

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Connecting linetypes	CABLE SIZE	Connector
JD-T: T JUNCTION	12AWG-6AWG	Brand Optional
JD-X: X JUNCTION		
JD-Y: Y JUNCTION		

Illustration

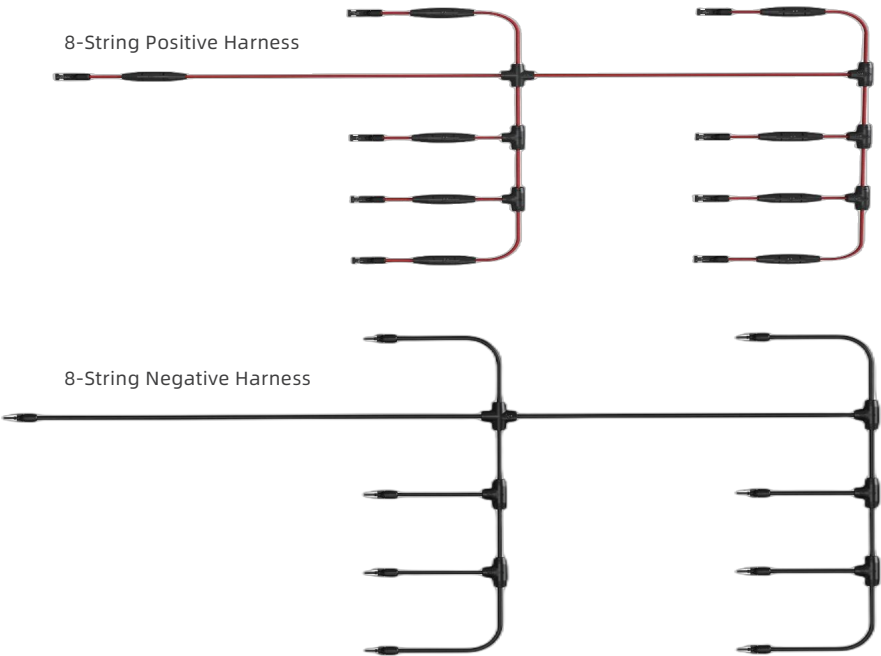
- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

Parallel Harness Series 4

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG.(Applicable to 8/4 strings)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Connecting linetypes	CABLE SIZE	Connector
Parallel Harness Series 4	12AWG-6AWG	Brand Optional

Illustration

- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

Parallel Harness Bi-Facial & Crystalline

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG.(Applicable to 3/2/1 string)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Prallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
BLA Parallel Harness Series 4	12AWG-6AWG	Brand Optional

Illustration

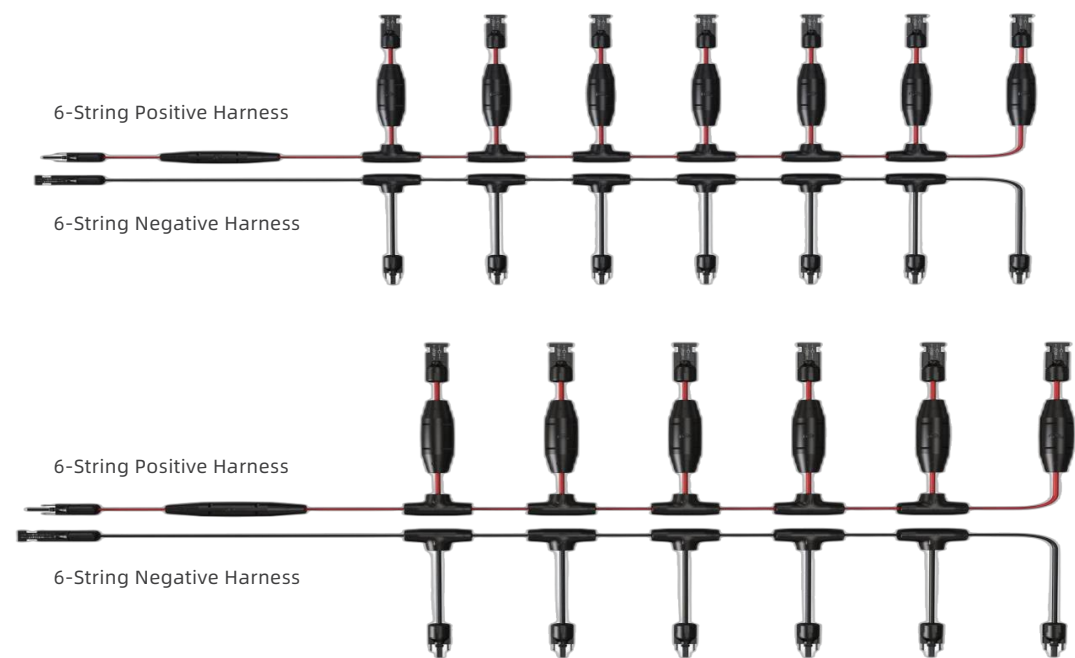
- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

Parallel Harness Series 6

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG(Applicable to 7/6/5/4/3 strings)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Prallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
Parallel Harness Series 6	12AWG-6AWG	Brand Optional

Illustration

- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.

BLA Parallel Harness Bi-Facial & Crystalline

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG(Applicable to 2/1 string)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Prallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
BLA Parallel Harness Bi-Facial & Crystalline	12AWG-6AWG	Brand Optional

Illustration

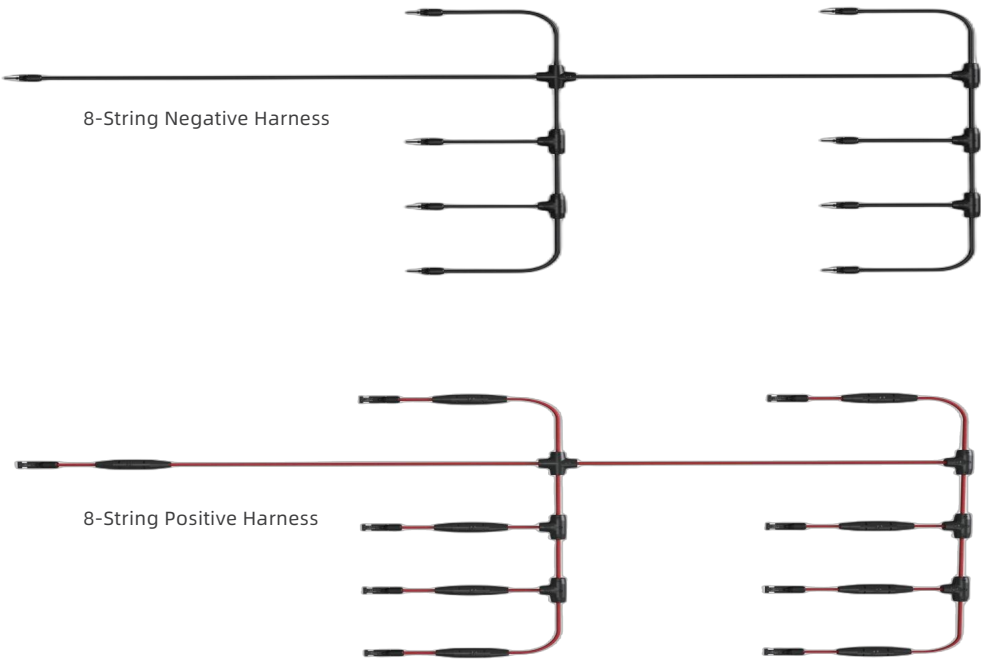
- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

BLA Parallel Harness Series 4

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG(Applicable to 7/6/5/4/3 strings)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Prallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
BIA Parallel Harness Series 4	12AWG-6AWG	Brand Optional

Illustration

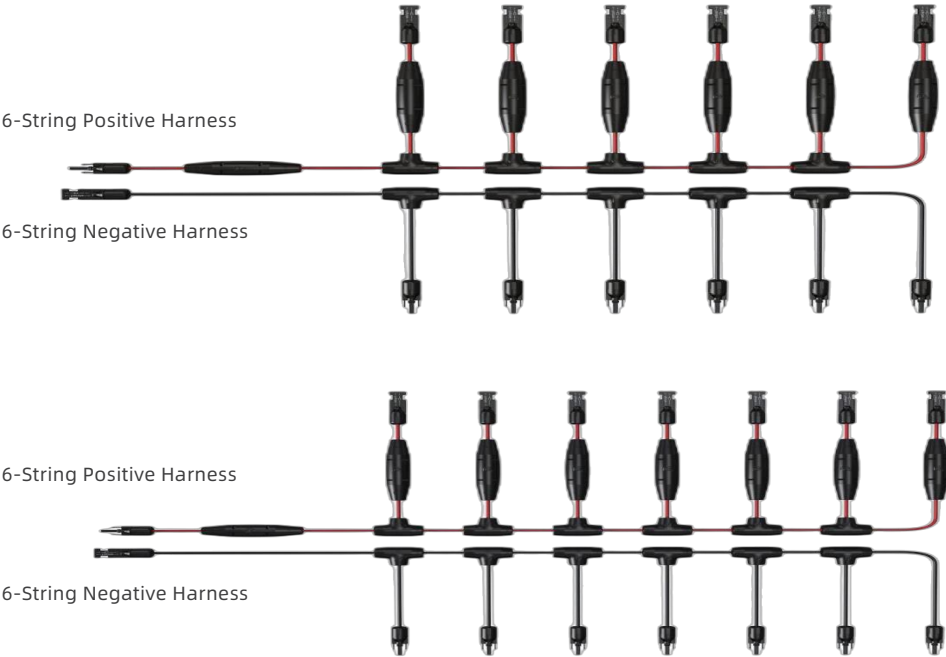
- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

BLA Parallel Harness Series 6

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG(Applicable to 7/6/5/4/3 strings)
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Parallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
BIA Parallel Harness Series 6	12AWG-6AWG	Brand Optional

Illustration

- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

Whips Jumpers

Cable for DC system

Meet the standard: UL9703

Cable Structure



positive whip



negative whip



jumper

Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG
- Input/output fuses available 1A~65A
- UV/sunlight resistant

Parallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
WHIPS JUMPERS	14WG-6AWG	Brand Optional

Illustration

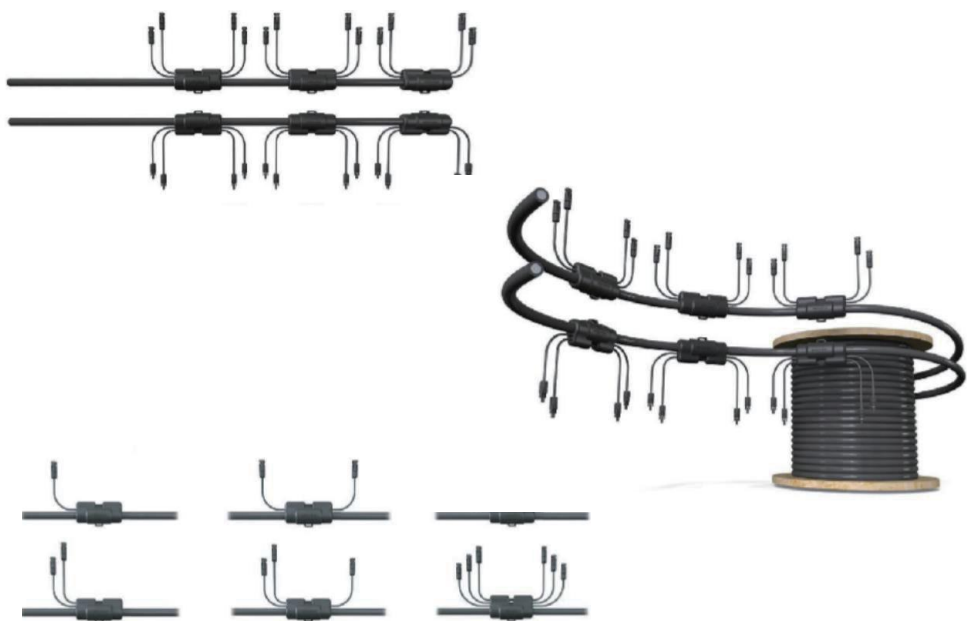
- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.

BLA Big Lead Assembly

Cable for DC system

Meet the standard: UL9703

Cable Structure



Features

- Rated Voltage: 1500 V
- Sealed two part molding process
- IP 68
- Resistance welded joints
- Applicable linetypes: 12AWG、10AWG、8AWG、6AWG
- Customizable for up to 600 MCM wire gauges
- UV/sunlight resistant

Prallel Harness Bi-Facial & Crystalline	CABLE SIZE	Connector
BLA Big Lead Assembly	14WG-6AWG	Brand Optional

Illustration

- All photovoltaic cables used pass certification and meet market needs.
- Connector manufacturers can choose.
- Custom manufactured to the installation.