



2025-2026



CATALOG

SOLAR CABLE

SOLAR (PHOTOVOLTAIC) CABLE ADB, CONNECTOR for SOLAR CABLE (MC4 SERIES),
PATCH CORD ASSEMBLY, TOOLS for SOLAR CONNECTOR





SOLAR CABLE **AD8**

(Photovoltaic Cable)

TECHNICAL STANDARDS

- IEC 62930:2017
- EN 50618:2014
- IEC/EN 60228 Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals R50635458 and R50635463
- AD8 Factory Certified
- RoHS Compliant



CABLE CONSTRUCTION

Conductor	Material	Fine wire-stranded tinned copper according to IEC 60228 Class 5
Insulation	Material	Halogen-free, Copolymer Electron beam cross-linked polyethylene (XLPE) according to IEC 62930:2017 & EN 50618:2014
	Color	Black
Jacket	Material	Halogen-free, Copolymer Electron beam cross-linked polyethylene (XLPE) with FR-LSZH according to IEC 62930:2017 & EN 50618:2014
	Color	Red or Black

TECHINCAL SPECIFICATION

Size (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance at 20°C (Ω/km)	Insulation Resistance at 20°C (MΩ/km)	Rated Current (A)	
						@ 30°C (IEC62930)	@ 60°C (EN50618)
2.5	0.70	0.80	5.05±0.30	≤ 8.21	≥ 690	42	41
4	0.70	0.80	5.40±0.30	≤ 5.09	≥ 580	57	55
6	0.70	0.80	6.30±0.30	≤ 3.39	≥ 500	72	70
10	0.70	0.80	7.20±0.30	≤ 1.95	≥ 420	98	98

ELECTRICAL CHARACTERISTIC

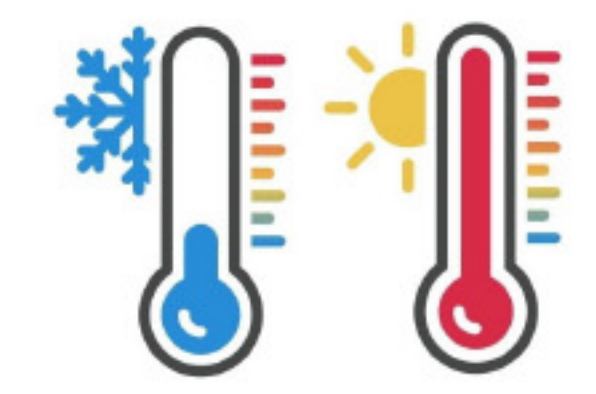
Nominal Voltage U₀/U	DC 1500/1500V, AC 1000/1000V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV



LINK FACTORY
CERTIFIED



RoHS



- 40°C 90°C

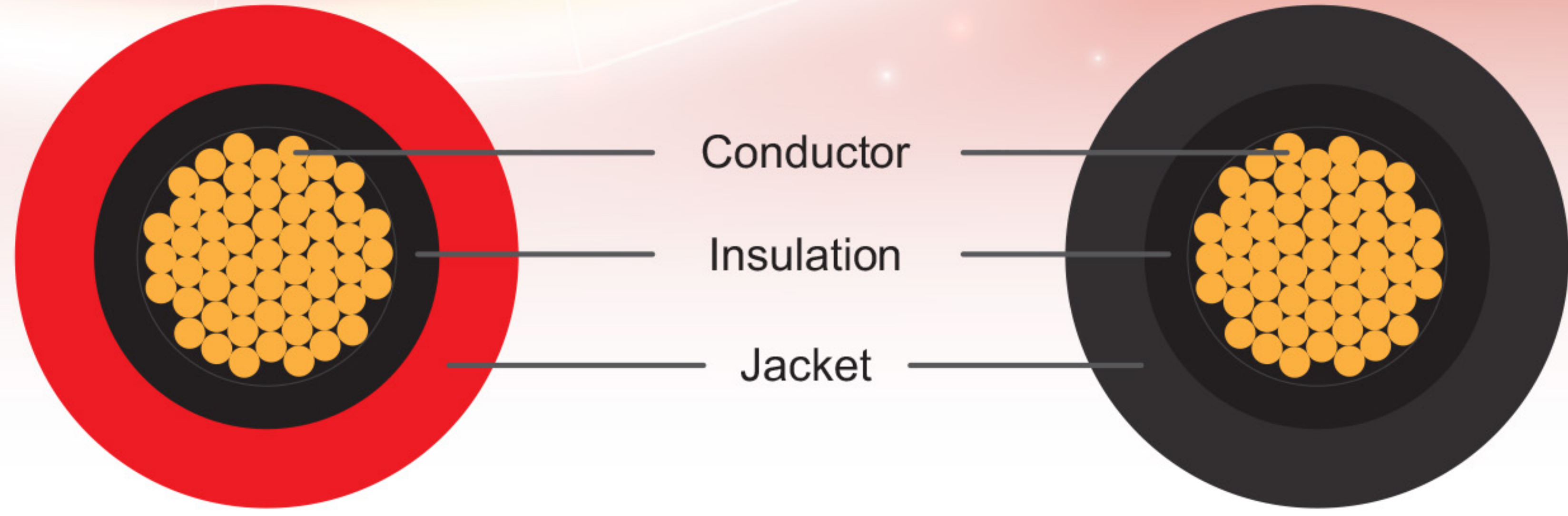
SOLAR CABLE **ABB**

(Photovoltaic Cable)



PHOTOVOLTAIC (SOLAR) CABLE

PHOTOVOLTAIC (SOLAR) CABLE



ORDER INFORMATION

Part Number	Description	Color	Length	Package
CB-1025AB	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x2.5 mm ²	Black	1000 m.	Roll.
CB-1025AR	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x2.5 mm ²	Red	1000 m.	Roll.
CB-1040AB	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Black	1000 m.	Roll.
CB-1040AR	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Red	1000 m.	Roll.
CB-1060AB	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	1000 m.	Roll.
CB-1060AR	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	1000 m.	Roll.
CB-1100AB	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x10 mm ²	Black	1000 m.	Roll.
CB-1100AR	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x10 mm ²	Red	1000 m.	Roll.
CB-1040AB-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Black	500 m.	Roll.
CB-1040AR-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Red	500 m.	Roll.
CB-1060AB-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	500 m.	Roll.
CB-1060AR-5	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	500 m.	Roll.
CB-1040AB-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Black	100 m.	Easy Box.
CB-1040AR-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x4 mm ²	Red	100 m.	Easy Box.
CB-1060AB-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Black	100 m.	Easy Box.
CB-1060AR-1	PV Solar Cable, 62930 IEC131, H1Z2Z2-K, (1.5/1.5KVDC), 1x6 mm ²	Red	100 m.	Easy Box.



1000 m./Roll.



500 m./Roll.



100 m./Easy Box.



SOLAR CABLE CERTIFICATE



(Floating Solar Farm with TÜV Certificate)

TECHNICAL STANDARDS

- IEC 62930:2017
- EN 50618:2014
- IEC/EN 60228 Class 5
- DIN VDE 0295 Class 5
- TÜV Approvals R50635458 and R50635463
- TÜV Approvals Water Resistance AD8:EN 50525-2-21
Test Report No. CN24ZUMQ
- RoHS compliant



CABLE CONSTRUCTION

Conductor	Material	Fine wire-stranded tinned copper according to IEC 60228 Class 5
Insulation	Material	Halogen-free, Copolymer Electron beam cross-linked polyethylene (XLPE) according to IEC 62930:2017 & EN 50618:2014
	Color	Black
Jacket	Material	Halogen-free, Copolymer Electron beam cross-linked polyethylene (XLPE) with FR-LSZH according to IEC 62930:2017 & EN 50618:2014
	Color	Red or Black

TECHINICAL SPECIFICATION

Size (mm ²)	Insulation Thickness (mm)	Jacket Thickness (mm)	Jacket Diameter (mm)	Conductor Resistance at 20°C (Ω/km)	Insulation Resistance at 20°C (MΩ/km)	Rated Current (A)	
						@ 30°C (IEC62930)	@ 60°C (EN50618)
4	0.70	0.80	5.40±0.30	≤ 5.09	≥ 790	57	55
6	0.70	0.80	6.30±0.30	≤ 3.39	≥ 610	72	70
10	0.70	0.80	7.20±0.30	≤ 1.95	≥ 489	98	98

ELECTRICAL CHARACTERISTIC

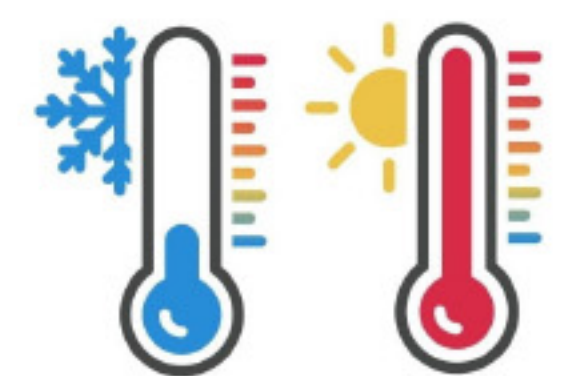
Nominal Voltage U₀/U	DC 1500/1500V, AC 1000/1000V
Max. DC voltage	1800V (conductor-conductor, non-earth system, circuit not under load)
AC Test Voltage	6.5 KV
DC Test Voltage	15 KV



TÜVRheinland
CERTIFIED



RoHS



- 40°C 90°C

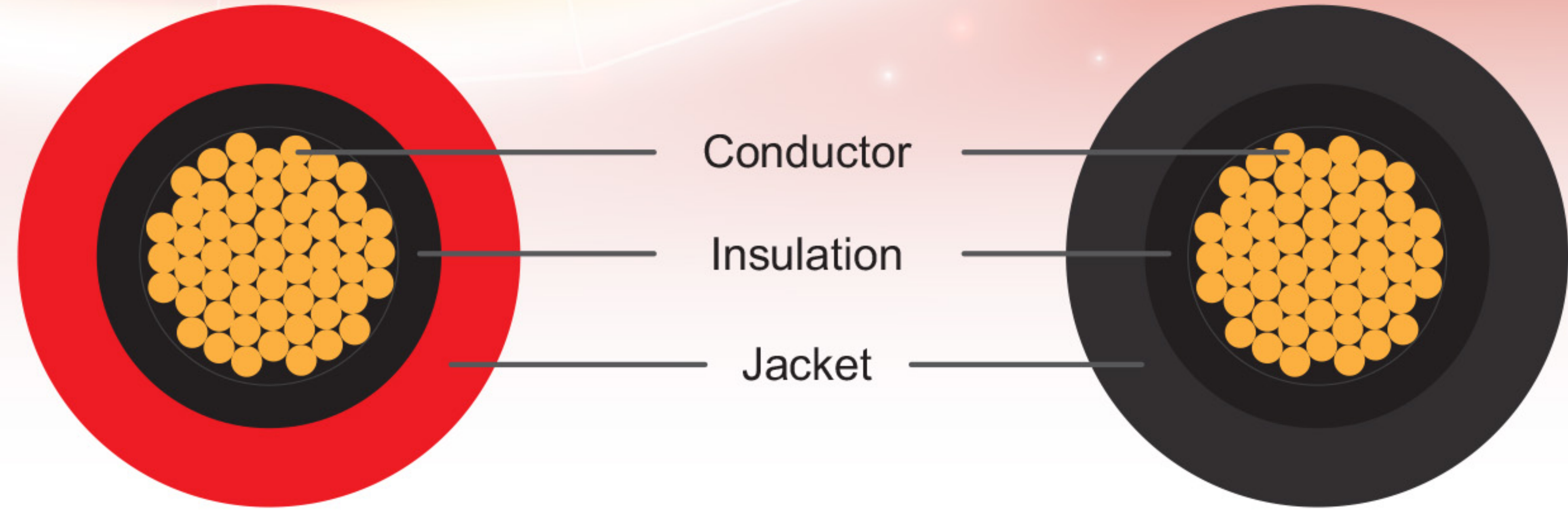
SOLAR CABLE CERTIFICATE

(Floating Solar Farm with TÜV Certificate)



PHOTOVOLTAIC (SOLAR) CABLE

PHOTOVOLTAIC (SOLAR) CABLE



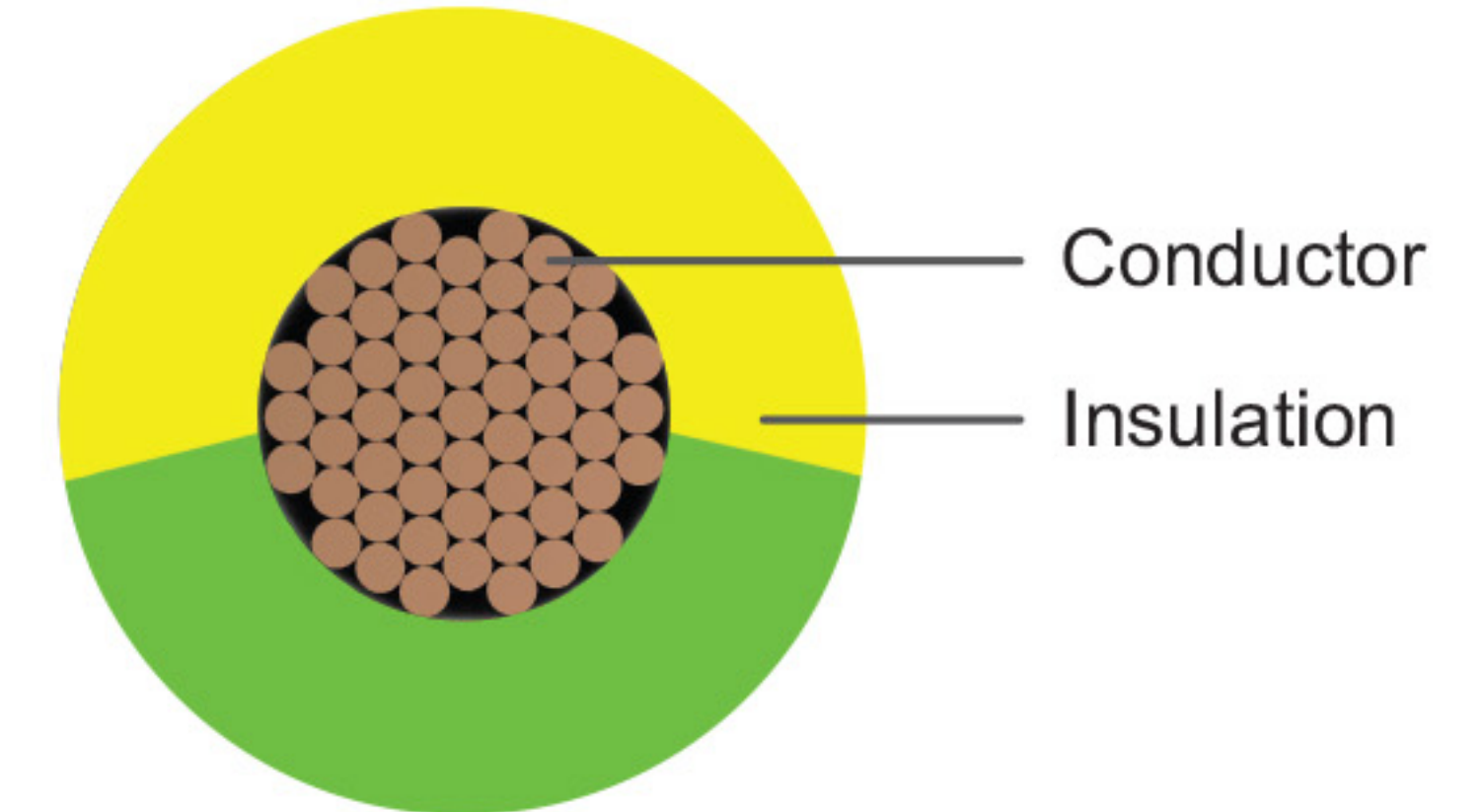
ORDER INFORMATION

Part Number	Description	Color	Length	Package
CB-1040SAB	PV Solar Cable 4 mm ² , Special Cable	Black	1000/2000/4000 m.	Roll.
CB-1040SAR	PV Solar Cable 4 mm ² , Special Cable	Red	1000/2000/4000 m.	Roll.
CB-1060SAB	PV Solar Cable 6 mm ² , Special Cable	Black	1000/2000/4000 m.	Roll.
CB-1060SAR	PV Solar Cable 6 mm ² , Special Cable	Red	1000/2000/4000 m.	Roll.
CB-1100SAB	PV Solar Cable 10 mm ² , Special Cable	Black	1000/2000/4000 m.	Roll.
CB-1100SAR	PV Solar Cable 10 mm ² , Special Cable	Red	1000/2000/4000 m.	Roll.

GROUNDING CABLE

TECHNICAL STANDARDS

- LINK
- RoHS compliant



CABLE CONSTRUCTION

Conductor Material : Fine Wire-Stranded Tinned Copper

Insulation Material : Halogen-free, Copolymer Electron beam cross-linked polyethylene (XLPE)

TECHNICAL SPECIFICATION

Size (mm ²)	Insulation Thickness (mm)	Insulation Diameter (mm)	Conductor Resistance at 20°C (Ω/km)
2.5	0.80±0.15	3.65±0.15	≤ 8.21
4	0.80±0.15	4.30±0.15	≤ 5.09
6	0.80±0.15	5.20±0.15	≤ 3.39
10	0.80±0.15	6.40±0.15	≤ 1.95

Dielectric Strength : 2.5KV/5min

Flame test : IEC 60332-1-2

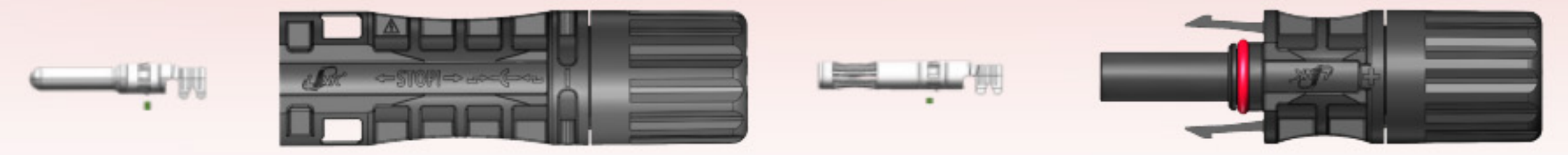
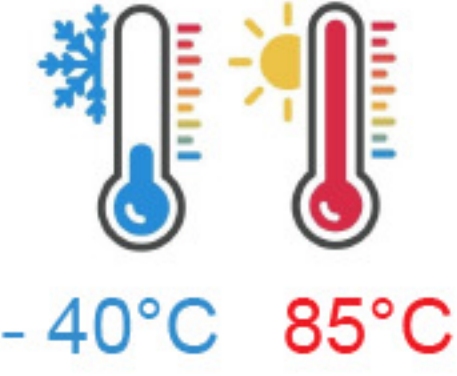
Rated temperature : 105°C

ORDER INFORMATION

Part Number	Description	Color	Length	Package
CB-1025G	Grounding Wire 2.5 mm ²	Yellow/Green	100 m.	Roll.
CB-1040G	Grounding Wire 4 mm ²	Yellow/Green	100 m.	Roll.
CB-1060G	Grounding Wire 6 mm ²	Yellow/Green	100 m.	Roll.
CB-1100G	Grounding Wire 10 mm ²	Yellow/Green	100 m.	Roll.

MC4 CONNECTOR (PAIR) AND MC4 PANEL CONNECTOR (PAIR)

- Compliant with MC4 connectors
- Rate Voltage: 1500VDC
- Rate Current: 46A (for CB-1002AS model) and 55A (for CB-1003AS model)
- UV-Resistant & Waterproof: Features protection class IP68 for reliable performance.
- High Voltage Carrying Capacity
- Weatherproof Design: The connector is suitable for use in harsh weather conditions.
- Stable Automatic Lock System: Ensures connectors open and close easily.
- Enhanced Safety: The specially designed lock clip prevents unauthorized unlocking by hand.
- S-Insert Tightly Locking: Provides a secure and robust connection for reliable operation.



A



B



C

Part Number	Description	Figure
CB-1002AS	MC4 CONNECTOR (Pair), 2.5 - 6 mm ² , 1500 V	A
CB-1003AS	MC4 CONNECTOR (Pair), 10 mm ² , 1500 V	B
CB-1006A	MC4 PANEL CONNECTOR (Pair), 2.5 - 6 mm ² 1500 V	C

MC4 BRANCH, MC4 T-TYPE

- Compliant with MC4 connectors
- Compatible with 2.5 mm², 4 mm², and 6 mm² cables
- Rate Voltage: 1500VDC
- Rate Current: 30A, 50A
- UV-resistant and waterproof, with protection class IP68
- High voltage carrying capacity
- Suitable for use in harsh weather conditions
- Stable automatic lock system makes connectors easy to open and close



A

B

C

Part Number	Description	Figure
CB-1004	MC4 Y-Branch, 2 to 1 Connector (Pair), 1500V, TUV Standard	A
CB-1008	MC4 T-Type, 3 to 1 Connector (Pair), 1500V, TUV Standard	B
CB-1010	MC4 T-Type, 4 to 1 Connector (Pair), 1500V, TUV Standard	C
CB-1014	MC4 Y-Branch Cable with Connector (Pair), 1500V, TUV Standard	D



D

MC4 FUSED INLINE CONNECTOR, TUV STANDARD

- Compliant with MC4 connectors
- Rate Voltage: 1500VDC
- Fuse Current: 1-32A
- Fuse Dimension: 10mm*85mm
- Cable: 6 sqmm.
- UV-resistant and waterproof, with protection class IP68
- High voltage carrying capacity
- Suitable for use in harsh weather conditions
- Stable automatic lock system makes connectors easy to open and close



A

Part Number	Description	Figure
CB-1022	MC4 FUSED INLINE CONNECTOR, Blank 1500 V, TUV Standard	A
CB-1023-15	MC4 FUSED 15A for MC4 FUSED INLINE 1500 V, TUV Standard	B
CB-1023-20	MC4 FUSED 20A for MC4 FUSED INLINE 1500 V, TUV Standard	B
CB-1023-30	MC4 FUSED 30A for MC4 FUSED INLINE 1500 V, TUV Standard	B



B

SOLAR PATCH CORD ASSEMBLY



FEATURES

- Connector Configuration: The connector can be installed at either both ends or a single end of the cable.
- Custom Length: The cable can be provided in a length that suits your requirements.
- No Terminal Processing Required: There's no need for additional terminal processing during installation.
- Pre-Assembled Tinned Copper Contacts: The connectors come with pre-assembled tinned copper contacts, eliminating the need for a crimping tool.
- Versatile Compatibility: Connectors can accommodate cables with different outer diameters at each end.
- Automatic Lock System: A stable, automatic locking system makes it easy to open and close the connectors.
- Security Feature: The lock-clip is specially designed to prevent accidental disconnection or unauthorized access.



APPLICATION

Used in solar systems, including modules and junction boxes, and other related applications.

Part Number	Description
CB-5054B-XX	PATCHCORD SOLAR Cable 4 mm ² , (Black) w/Sealed Packaging
CB-5054R-XX	PATCHCORD SOLAR Cable 4 mm ² , (Red) w/Sealed Packaging
CB-5056B-XX	PATCHCORD SOLAR Cable 6 mm ² , (Black) w/Sealed Packaging
CB-5056R-XX	PATCHCORD SOLAR Cable 6 mm ² , (Red) w/Sealed Packaging

** STANDARD LENGTH (M): 03 = 3 meter, 05 = 5 meter, 10 = 10 meter, or Customized length is acceptable.

TOOL for SOLAR CONNECTOR



A



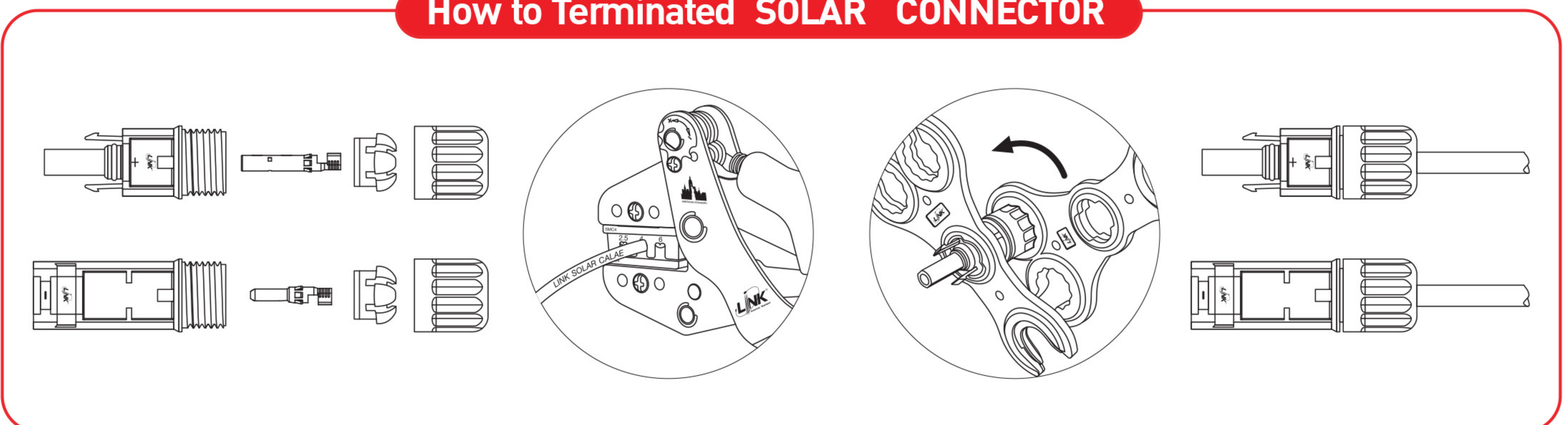
B



C

Part Number	Description	Figure
CB-1084	MC4 CRIMPING TOOL for MC4 CONNECTOR, 2.5-6.0 mm ² (Wire Crimping)	A
CB-1085	MC4 CRIMPING TOOL for MC4 CONNECTOR, 10 mm ² (Wire Crimping)	B
CB-1086AS	MC4 NEW SPANNER for MC4 CONNECTOR (Pair)	C

How to Terminated SOLAR CONNECTOR





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