

Solar Panel Branch Cable with MC4 Connectors

This specialized electrical cable is designed for parallel connection of solar panels in photovoltaic (PV) systems. Its Y-connector design simplifies wiring and reduces installation time, making it ideal for both residential and commercial solar installations.



Overview

Professional Solar PV Branch Solution

This Solar Panel Branch Cable is engineered for the efficient parallel connection of multiple photovoltaic panels, streamlining complex wiring setups in both residential and commercial arrays. Constructed from anti-aging, UV-resistant materials, it offers high robustness and reliability even under harsh outdoor environmental conditions. The MC4 compatible design ensures a secure, high-grade connection while minimizing power loss for optimized system performance.

Electrical Specifications

Key Electrical Performance

1500 V DC

Rated Voltage

30 A

Rated Current

6 kV

Impulse Voltage

Contact Resistance

0.5 m Ω

Physical & Mechanical

Cable Dimensions

Component	Length
Main Cable	60cm
Branch Cable	10cm

PIN Diameter

4 mm

Environmental & Safety

Protection Degree

IP67

Ambient Temperature Range

-40°C to 90°C

Materials & Construction

Materials Used

- Insulation: PPE/PA
- Contact: Tin plated copper alloy

Compliance Standards

UL94-V0, IEC Compliant, Safety Class II