SOUTH CABLE

Stainless Steel Shield Braid Anti Mouse Ant Solar PV Cable



APPLICATION

Cables applied for use in Photovoltaic Systems, in particular for installation of connecting solar panels at Direct Current section.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
1000/2000V

Operating Temperature
-40°C ~ 90°C

Min. Bending Radius during Installation
8xD

Min. Bending Radius Fix Installed
6xD (D is diameter of cable)

STANDARDS

UL4703
UL44

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

South Cable actively implements the ℄arbon reduction”goal, strives to promote the greenֹs low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the companyֹs healthy and sustainable development.

CONSTRUCTION

Conductor
Tinned copper, Class K

Inner Insulation
XLPO

Outer Insulation
XLPO

Braid
Stainless steel wire braid, 85%

Outer Sheath Colors
Black Red *other colours available on request

Core Identification
Black *other colours available on request

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SOUTH CABLE High-tech Zone, Zhengzhou City, Henan Province, China

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STRUCTURAL DIMENSIONS

Size	Conductor	Nominal thickness of Insulation	Dia. of steel wire	Approx. Overall Diameter	Approx. Weight
AWG	mm	mm	mm	mm	kg/km
10	105/0.25	1.14/0.76	0.12	7.6	110
8	168/0.25	1.39/0.76	0.12	9.1	160

ELECTRICAL PROPERTIES

Size	Max. Conductor DC resistance at 20°C	Min. Insulation resistance at 15°C	Ampacities of Single-Insulated Conductors in Free Air where the ambient temperature is 30°C		
AWG	Ω/km	MΩ·km	60°C (A)	75°C (A)	90°C (A)
10	3.66	950	40	50	55
8	2.18	1040	60	70	80

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