INTERKABEL KYIV

SOLARIKK XL1

Tinned multi-wire cable with a copper core, halogen-free polymer insulation, cross-linked halogen-free polymer sheath

DESIGN

1) Tinned multi-wire copper cores of 5th class according to GOST 22483.
2) Cross-linked halogen-free polymer insulation.
3) Cross-linked halogen-free polymer sheath.

APPLICATION

SOLARIKK XL1 for external and internal electrical connections in network photovoltaic systems of solar power plants, without the risk of mechanical damages, by core heating up to +90 °C.

TECHNICAL DATA

Standard:
TU T 31.3-32739864-013-201

Rated alternating voltage:
0,6/1 kV maximum 1.2 kV
Rated direct voltage:
1.5 kV maximum 1.8 kV

Test alternating voltage:
6.5 kV
Test direct voltage:
15 kV

Temperature range:
- laying temperature up to - 20°C;
- operating temperature - 40°C – + 60°C;
- core heating not more than + 90 °C.

Bending radius (min):
not less than 10 diameters of the cable.

Fire properties:
Cables are fire-resistant for single laying and beam laying («C» classification) according to DSTU 4809.
Toxicity of combustion products of non-metallic materials according to DSTU 4809, «Tk2» class.
Smoke-generating ability during smoldering of non-metallic materials according to DSTU 4809, «DTk1» class.
Smoke-generating ability during combustion according to DSTU 4809, «DPk2» class.
Corrosion activity of combustion products of non-metallic materials according to DSTU 4809, «Kk2» class.
Fire safety according to PB 142122000.

Number of cores x cross-section (mm^2)	Cable diameter (mm)	Mass of 1 km (kg)	Permissible current load by open-air laying (A)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
SOLARIKK XL1				
1,5	4,6	38	31	13,700
2,5	5,0	50	41	8,210
4	5,6	65	55	5,090
6	6,4	88	70	3,390
10	7,6	138	98	1,950
16	8,6	194	132	1,240

Subject to technical changes.

INTERKABEL KYIV

SOLARIKK XL2

Tinned multi-wire cable with a copper core, halogen-free polymer insulation, cross-linked halogen-free polymer sheath

DESIGN

1) Tinned multi-wire copper cores of 5th class according to GOST 22483.
2) Cross-linked halogen-free polymer insulation.
3) Cross-linked halogen-free polymer sheath.

ОБЛАСТЬ ПРИМЕНЕНИЯ

SOLARIKK XL2 for external and internal electrical connections in network photovoltaic systems of solar power plants, without the risk of mechanical damages, by core heating up to +120 °C.

TECHNICAL DATA

Standard:
TU T 31.3-32739864-013-201

Rated alternating voltage:
0,6/1 kV maximum 1.2 kV
Rated direct voltage:
1.5 kV maximum 1.8 kV

Test alternating voltage:
6.5 kV
Test direct voltage:
15 kV

Temperature range:
- laying temperature up to - 20°C;
- operating temperature - 40°C – + 60°C;
- core heating not more than + 120 °C.

Bending radius (min):
not less than 10 diameters of the cable.

Fire properties:
Cables are fire-resistant for single laying and beam laying («C» classification) according to DSTU 4809.
Toxicity of combustion products of non-metallic materials according to DSTU 4809, «Tk2» class.
Smoke-generating ability during smoldering of non-metallic materials according to DSTU 4809, «DTk1» class.
Smoke-generating ability during combustion according to DSTU 4809, «DPk2» class.
Corrosion activity of combustion products of non-metallic materials according to DSTU 4809, «Kk2» class.
Fire safety according to PB 142122000.

Number of cores x cross-section (mm^2)	Cable diameter (mm)	Mass of 1 km (kg)	Permissible current load by open-air laying (A)	Electrical resistance of cores according to GOST 22483, Not more than (Om/km)
SOLARIKK XL2				
1,5	4,6	38	31	13,700
2,5	5,0	50	41	8,210
4	5,6	65	55	5,090
6	6,4	88	70	3,390
10	7,6	138	98	1,950
16	8,6	194	132	1,240

Subject to technical changes.