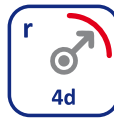
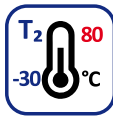
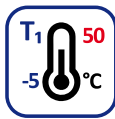




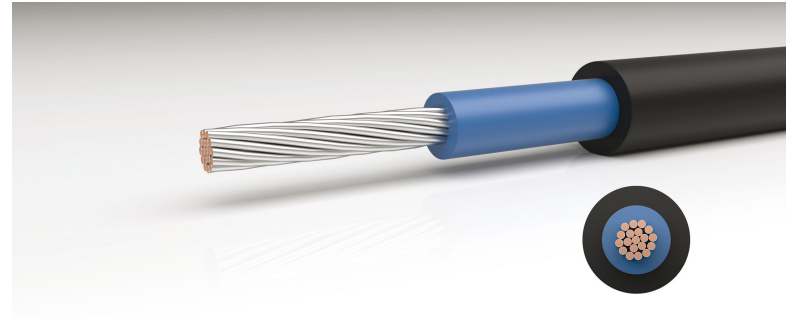
EFK SOLAR-80

BASIC CHARACTERISTICS OF THE CABLE

ELECTRIC



PERFORMANCE IN FIRE



STANDARDS

TPEFK 04-02-2011/905+A1
STN EN 50575

CONSTRUCTION OF THE CABLE

- Stranded copper tinned conductor
- Insulation from PVC
- Sheath from PVC – black, UV resistant

CABLE APPLICATION

Flexible UV resistant single core cable with a PVC coat, intended for connection of photovoltaic systems in interiors and exteriors.



EFK SOLAR-80



Color of the insulation

blue
red
black

Color of the sheath

black

Nominal cross-sections, core resistances, current carrying capacity, nominal thickness of the sheath, diameters and weight of cables.

p [mm ²]	R [Ω/m]	a ¹⁾ [A]	t [mm]	d _{max} [mm]	m [kg/km]
2,5	8,21	25	0,8	5,0	44
4,0	5,09	32	0,8	5,5	59
6,0	3,39	40	0,8	6,2	80
10	1,95	63	1,0	8,5	139

p – nominal cross-section of the conductor

R – max. resistance at 20°C

a – current carrying capacity

t – nom. thickness of the sheath

d_{max} – maximal diameter of the cable over the sheath

m – informative weight of the cable

NOTE 1: Current capacity of cables is calculated at an ambient temperature of 30°C.