Solarcable 120

Cables for photovoltaic systems

Cable structure

- Stranded tinned or bare copper conductor according to DIN VDE 0295, IEC 60228 cl. 5 (for stranding see table below)
- Core insulation of thermoplastic rubber
- Outer sheath of thermoplastic rubber, colour black or red (blue on request)
- Tested according to EN 50267-2-1/IEC 60332-1-2
- Low corrosiveness of combustion gases according to IEC 60754-2 /EN 50267-2-2/3
- Smoke density according to EN 61034-2
- UV resistant and halogen-free

Technical data

- **Operating temperature**	from -40 °C to +120 °C
- **Short circuit temperature**	250 °C (up to 5 seconds)
- **Nominal voltage**	a.c. 0,6/1 kV
	d.c. 0,9/1,5 kV
- **Test voltage**	a.c. 4 kV
	d.c. 9,6 kV
- **Insulation resistance**	at 20 °C ≥ 750 MΩ × km
- **Minimum bending radius**	approx. 6× cable diameter

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Application

These cables are special designed for connection of solar panels where is higher temperature requered. The cable is easy to strip and are very flexible. Resistant againts heat, cold, oil, abrasion, UV radiation, ozone, weather influence.

Note

CE = The product is conformed with the EC Low – Voltage Directive 73/23/EEC.
Conform to RoHS.

Appendix to part No.
1 - black color
2 - red color
3 - blue color

Part No.	Number of cores × core cross-section [mm²]	Number of wires × wire ∅	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
07040693-	1×2,5	47×0,25	5,5	24	51
07040694-	1×4	48×0,30	6,2	38	70
07040695-	1×6	72×0,30	7,2	58	97
07040696-	1×10	80×0,40	8,3	96	147
07040697-	1×16	126×0,40	9,8	154	216
07040698-	1×25	196×0,40	11,0	240	303
07040699-	1×35	266×0,40	12,4	336	408
07040700-	1×50	380×0,40	14,3	480	564
07040701-	1×70	326×0,50	16,3	672	753
07040702-	1×95	436×0,50	18,9	912	967
07040703-	1×120	570×0,50	21,8	1152	1259
07040704-	1×150	712×0,50	24,3	1440	1551