



## LYNISUN PV1-F Solar wires



## **Solar Wires**

# LYNISUN PV1-F

Low voltage

AC Uo/U = 0,6/1 (1,2) kV, highest allowance operating voltage DC max. 0,9/1,8 kV





### **CABLE CHARACTERISTICS**











UV-retardant in
accordance with HD
605/A1-2.4.20



circuit and ground-leak. Furthermore apply the definitions of IEC 61215 and 61646, IEC 60364-7-712 and DIN VDE 0100-520.

Lowest ambient air temperature -40°C

circuit temperature at conductor max. 5 s

accordance with DIN 0482 part 332-1-2

Smoking Density in accordance with DIN VDE 0482 part268-2

**EPRYSMIAN** 

## LYNISUN PV1-F

### **Features & Benefits**

- > Good Weather resistance with >20 years Life-span acc. IEC 60216
- > Temperature range from -40°C up to +120°C
- > The cables can be used indoor, outdoor, in industrial and agricultural plants and in explosion-hazard area.
- > Can be installed on cable trays, in conduit, on and in-wall and in equipment
- > Can be directly buried into ground
- > Very good fire performance through use of Halogen-free, cross-linked compounds (in terms of flame propagation, smoke emissions, corrosiveness and toxicity)
- > They are suitable for applications in/at equipment with protective insulation (protective class II)

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Rated cross section and colours		Diameter of the conductor	Outer Diameter minimum	Outer Diameter maximum mm	Net Weight approximate ka/km	Minimum bending radii mm	Maximum allowed tensible load	Current- carrying capacity in air, surrounding temperature 60°C	Short- circuit current (1s)	
					Kg/ KIII			7.	kA	
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1.5	black	1.6	4.4	4.8	29	14	23	30	0.19	
2.5	black	1.9	4.7	5.1	43	15	38	41	0.32	
4	black	2.4	5.2	5.6	58	17	60	55	0.50	
6	black	2.9	5.7	6.1	77	18	90	70	0.76	
10	black	4.0	6.8	7.2	120	22	150	98	1.26	
16	black	5.5	8.3	9.0	178	36	240	132	2.01	ĺ

### **Design & Electric Properties**



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