



PV1-F TECHNICAL DATASHEET

Application

Especially designed to connect solar panels for permanent junction boxes and inverters. Good abrasion and ozone resistant flame-retardant properties. Halogen-free, oil-resistant, reduced diameter, and outstanding flexibility.



Technical Data

Nominal cross section (mm ²)	1x4	1x6
Rated voltage U ₀ /U V	600/1000 V	
Applicable Standard	TÜV 2 PFG 1169	
Applicable Standard for Conductor	EN 60228	
Material of conductor	Class 5 fine stranded tinned copper	
Material of insulation	Halogen free cross-linked compound	
Thickness of insulation (mm)	0,7	0,7
Identification of core	White	
Material of outer sheath	Halogen free cross-linked compound	
Average thickness of outer sheath (mm)	0,7	0,8
Overall cable diameter (mm) approx	5,3	6
Colour of outer sheath	Black, Red, Blue	
min. operating temperature °C	-40°C	
max. operating temperature °C	120°C	
Conductor DC resistance at 20°C Ω / km	5,09	3,39
Current Carrying Capacity in Air (Amps)	55	70