

Customer	Skandia Antenna's	
Standard	TÜV 2PFG 1169/08.2007	
Part No.	PV1-F 1x6mm2	
Conductor		
Cross section	---	6mm ²
Size	mm	78/0.295±0.01
Material	---	Tinned copper
O.D	mm	2.98±0.1
Insulation		
Material	---	XLPO
Nom. Thickness	mm	0.63
Min. Thickness	mm	0.50
O.D	mm	4.25±0.15
Colour	---	Black
Twisted Pair		
Core Colour	---	/
Lay of Strand	mm	/
O.D	mm	/
Cabling		
Filler	---	/
Lapping	---	/
Earthing	---	/
Covering		
Material	---	/
Nom. Thickness	mm	/
Min. Thickness	mm	/
O.D	mm	/
Colour	---	/
Armour		
Configuration	---	/
Coverage	%	/
Shielding		
Material	---	/
Configuration	---	/
Coverage	%	/
Sheath		
Material	---	XLPO
Nom. Thickness	mm	0.65
Min. Thickness	mm	0.50
O.D	mm	5.55±0.3
Colour	---	Black
Appearance	---	/
Marking		
TÜV 2PFG 1169 PV1-F 1x6mm2		

Product No:	SOLART6	
Figure of Cable Configuration:		
Electrical Properties		
Rated voltage:DC1000V		
Ambient temperature: -40~90°C		
Test voltage: AC-6.5kV/5min		
Spark test: AC-10kV/In the air		
Conductor resistance: 3.39ΩKM Max at 20 °C		
UV resistance:720h, No cracking		
Service life: 25 Years		
Physical Properties		
Elongation before aging (%): ≥125%		
Tensile strength before aging of insulation (N/mm2): ≥6.5; Tensile strength before aging of shield (N/mm2) : ≥8.0		
Aging conditions:150±2.0°C/168h		
Elongation after aging ≤30%		
Tensile strength rate after aging ≤30%		
Ozone resistance:25±2°C*24h, No cracking		
Cold bending test: -40±2°C*16h, No cracking		
Cold impact test:-40°C*16h/1000g 100mm, No cracking		
Flame resistance: EN60332		
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Approved by	Checked by	Prepared by
Approved by		