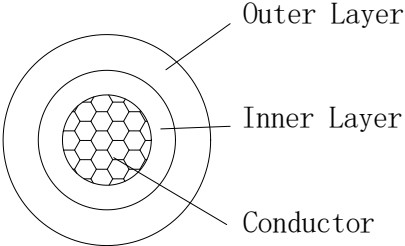



SPECIFICATION FOR APPROVAL

1.Construction		PV1-F 16mm ²		Revision:	A/0	Form No.	B274
Rated Voltage		1000VDC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional	16					
	Material	Stranded Tinned Copper					
	Cond.Size	128/ (0.40±0.008)					
	Stranded OD.(mm)	5.60					
Inner Layer	Material	XLPE					
	Color	Black					
Outer Layer	Material	XLPE					
	OD.(mm)	10.20±0.25					
	Color	Black					
2. Physical Properties							
Item		Specification		4.Marking			
		Inner Layer	Outer Layer				
Elongation	Un-aged	≥125%	≥125%	 TÜV 2 PfG 1169 PV1-F 1×16mm ² WUXI XINHONGYE WIRE & CABLE CO., LTD			
Strength		≥6.5Mpa	≥8Mpa				
Cold bend test	(-40±2.0°C×16h)	No cracking		5.Standard		TÜV 2PfG 1169/08.07 Reference number:T50389425	
Sunlight resistance	720h	Elongation and strength retention rate ≥80%		6.Packing		(a) 100m. (b) Consulting if delivering in other ways	
Bending radius	≥4×Cable OD	PASS					
Ambient temperature		-40°C up to +90°C		WUXI XINHONGYE WIRE & CABLE CO., LTD. NO.17 Hexin Road,Xishan District,Wuxi,Jiangsu,China TEL:86-510-68780888 FAX:86-510-68780858 E-mail: sales@xhycable.com			
Content of halogen acid gas		IEC670754-1, EN50267-2-1					
Thermal endurance properties		>25years					
Insulation resistance AT20°C		≥10 ¹⁴ Ω·cm					
Max. current AT60°C		132A					
Max.conductor temperature		120°C					
Flame test	IEC60332-1	PASS		Part No.	SCTA16-01-001		APPROVED (CUSTOMER)
3.Electrical Properties				Serial No.	001		
Item		SPECIFICATION		Approved			
Conductor Resistance AT 20°C		≤1.24Ω/km		Checked			
Dielectric-withstand test		6500VAC/5min		Drawing			
Spark test		10000VAC		Date	2014/6/1		