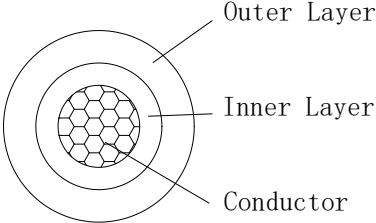


SPECIFICATION FOR APPROVAL

1. Construction		PV1-F 10mm ²		Revision:	A/0	Form No.	B274
Rated Voltage		1000VDC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional	10		 <p style="text-align: right; margin-right: 20px;">Outer Layer Inner Layer Conductor</p>			
	Material	Stranded Tinned Copper					
	Cond.Size	84/ (0.40±0.020)					
	Stranded OD.(mm)	4.60					
Inner Layer	Material	XLPE					
	Color	Black					
Outer Layer	Material	XLPE					
	OD.(mm)	7.80±0.20					
	Color	Black					
2. Physical Properties							
Item		Specification		Inner and outer layer is inseparable.			
		Inner Layer		Outer Layer		4. Marking	
Elongation	Un-aged	≥125%		TÜV 2 PfG 1169 PV1-F 1×10mm ² WUXI XINHONGYE WIRE & CABLE CO., LTD			
Strength		≥6.5Mpa					
Cold bend test	(-40±2.0°C×16h)	No cracking		5. Standard		TÜV 2PfG 1169/08.07 Reference number:R50129983	
Sunlight resistance	720h	Elongation and strength retention rate ≥80%					
Bending radius	≥4×Cable OD	PASS		6. Packing		(a) 100m. (b) Consulting if delivering in other ways	
Ambient temperature		-40°C up to +90°C					
Content of halogen acid gas		IEC670754-1, EN50267-2-1		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			
Thermal endurance properties		>25years					
Insulation resistance AT20°C		≥10 ¹⁴ Ω·cm					
Max. current AT60°C		98A					
Max. conductor temperature		120°C					
Flame test	IEC60332-1	PASS		Part No.	SCTA10-01-019	APPROVED (CUSTOMER)	
3. Electrical Properties				Serial No.	001		
Item		SPECIFICATION		Approved			
Conductor Resistance AT 20°C		≤1.95Ω/km		Checked			
Dielectric-withstand test		6500VAC/5min		Drawing			
Spark test		10000VAC		Date	2015/8/19		