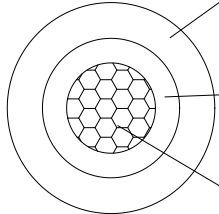


SPECIFICATION FOR APPROVAL

1.Construction		PV1-F 35mm ²		Revision:	A/0	Form No.	B274
Rated Voltage		1000VDC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional	35		 <p style="text-align: right; margin-right: 20px;">Outer Layer</p> <p style="text-align: right; margin-right: 20px;">Inner Layer</p> <p style="text-align: right; margin-right: 20px;">Conductor</p>			
	Material	Stranded Tinned Copper					
	Cond.Size	276/ (0.40±0.008)					
	Stranded OD.(mm)	8.30					
Inner Layer	Material	XLPE					
	Color	Black					
Outer Layer	Material	XLPE					
	OD.(mm)	13.80±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 1×35mm ² WUXI XINHONGYE WIRE & CABLE CO., LTD			
Strength		≥6.5Mpa	≥8.0Mpa				
Cold bend test	(-40±2.0℃×16h)	No cracking		5.Standard		TÜV 2PfG 1169/08.07 Reference number:T50389425	
Sunlight resistance	720h	Elongation and strength retention rate ≥80%					
Bending radius	≥4×Cable OD	PASS		6.Packing		(a) 50m. (b) Consulting if delivering in other ways	
Ambient temperature		-40℃ up to +90℃					
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℃		≥10 ¹⁴ Ω·cm					
Max. current AT60℃		218A					
Max.conductor temperature		120℃					
Flame test	IEC60332-1	PASS		Part No.	SCTA35-01-001	APPROVED (CUSTOMER)	
3.Electrical Properties				Serial No.	001		
Item	SPECIFICATION		Approved				
Conductor Resistance AT 20℃	≤0.565Ω/km		Checked				
Dielectric-withstand test	6500VAC/5min		Drawing				
Spark test	10000VAC		Date	2014/6/1			