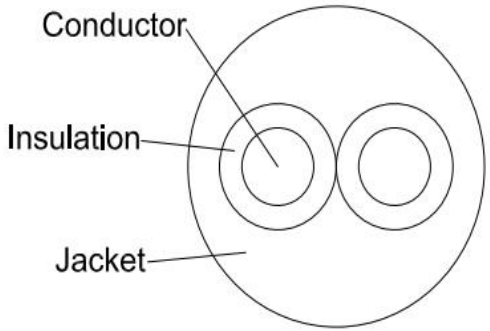
SPECIFICATION FOR APPROVAL

1.Construction		PV07AC-F 2×2.5 ㎜²	**Revision:**	**A/0**	**Form No.**	**ZHPV07ACF2.5Q0202**
Rated Voltage		450/750V	**CONSTRUCTION D.W.G**			
Conductor	㎜²	2.5				
	Material	Stranded Tinned Copper				
	Cond.Size	49/（0.243±0.008）				
	Stranded OD.(mm)	1.96				
Insulation	Material	XLPE				
	Min.Thickness（mm）	0.78				
	Min. Average Thickness（mm）	0.90				
	OD.(mm)	3.90±0.15				
	Color	Brown，Blue				
Sheath	Material	XLPE				
	Min.Thickness（mm）	0.81	Cables for use on AC-applications in renewable energy-systems .			
	Min. Average Thickness（mm）	0.95	**4.Marking**			
	OD.(mm)	10.0±0.30	TÜV PV07AC-F 2×2.5mm² 450/750V WUXI ZHONGHUI WIRE & CABLE CO.,LTD.			
	Color	Black				

2. Physical Properties				**5.Standard**	a) 2Pfg 1940/12.11 b) RoHS： PASS
Item		Specification			
		Insulation	Sheath	**6.Packing**	(a) 200m/roll. (b) According to customer requirements
Elongation	Un-aged	≥125%	≥125%		
Strength		≥6.5N/㎜²	≥8.0N/㎜²	无锡市中汇线缆股份有限公司 地址：江苏省无锡市锡山区锡北镇八士新坝村 Tel/Fax:0510-83785622 Web:www.wxzhxl.com	
Elongation	After Aging：150±2℃，168h	≥70% of original			
Strength		≥70% of original			
Cold bend test	(-40±2.0℃×16h)	No cracking			
Hot set test	200±3℃，15min，0.2N/㎜²	Elongation：100%； After cooling：25%			

3.Electrical Properties		**Part No.**	**ZHPV07ACF2.5Q0202**		
		Serial No.	001		
Rated Temperature	-40～+90℃	**Approved**	**胡晓武**	**APPROVED (CUSTOMER)**	
Max.Cond.Resis AT 20℃	8.21Ω/km	**Checked**	/		
Dielectric-withstand test：AC 6500V/5min	No Breakdown	**Drawing**	**甘宇航**		
Spark test：7500V AC	No Breakdown	**Date**	**2024-4-29**		