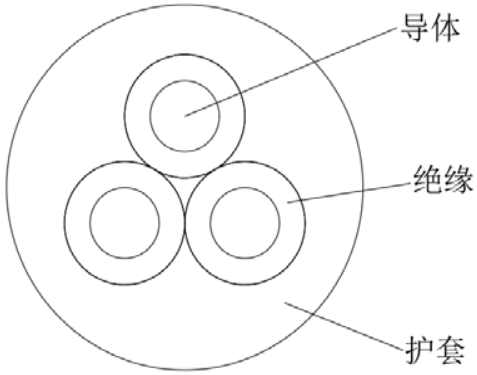
SPECIFICATION FOR APPROVAL

1.Construction	H05RN-F 3G1.0㎜²			**Revision:**	**A/0**	**Form No.**	**ZHH05RNF1.0Q0301**
Rated Voltage	300/500V	Rated Temperature	60℃	**CONSTRUCTION D.W.G**			
Conductor	㎜²	1.00					
	Material	Stranded Bare Copper					
	Cond.Size	32/（0.193±0.008）					
	Stranded OD.(mm)	1.26					
Insulation	Material	EI4乙丙橡胶或等效弹性体					
	Min.Thickness（mm）	0.44					
	Min. Average Thickness（mm）	0.60					
	OD.(mm)	2.50±0.10					
	Color	Brown，Blue，Yellow/Green					
Sheath	Material	EM2氯丁橡胶或等效弹性体					
	Min.Thickness（mm）	0.67		Rubber insulated cables.			
	Min. Average Thickness（mm）	0.90		**4.Marking XN160**			
	OD.(mm)	7.40±0.20		◄VDE► H05RN-F 3G1.0mm² KTL SU01048-6001 SAA101170EA GP-85-PCP 250/440V ORDINARY DUTY 300/500V WUXI ZHONGHUI WIRE & CABLE CO., LTD			
	Color	Black					
2. Physical Properties				**5.Standard**	a) EN50525-2-21 2011 b) RoHS EU Directive 2011/65/EU		
Item		Specification					
		Insulation	Sheath	**6.Packing**	(a) 200m./Roll (b) According to customer requirements		
Elongation	Un-aged	≥200%	≥300%				
Strength		≥5N/㎜²	≥10N/㎜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	Aged condition: 100±2℃×168h （70±2℃×240h，Sheath）	≥75% Original	≥75% Original				
Strength		≥75% Original	≥85% Original				
Cold bend test	(-35±2.0℃×16h)	No cracking					
Hot set test	200±3℃，15min，0.2N/㎜²	Elongation：100%；	After cooling：25%	**Part No.**	**ZHH05RNF1.0Q0301**	**APPROVED (CUSTOMER)**	
3.Electrical Properties				Serial No.	001		
Item		SPECIFICATION		**Approved**	**胡晓武**		
Conductor Resistance AT 20℃：		≤19.5Ω/km		**Checked**	/		
Dielectric-withstand test：		AC 1500V/5min ，	No Breakdown	**Drawing**	**甘宇航**		
Spark test：		AC 6000V ，	No Breakdown	**Date**	**2024-4-1**		