



Hangzhou Easy Electric Wire and Cable Co.,LTD

Addr: Room 305, Building 2, No. 380 Fengxin Road, Hangzhou, China

www.eescable.com

Part Number: AL/TRXLPE/CWS/LLDPE 1000MCM 15kV

Product Description:

NO.	Component	Test item	Units	Requirement	Measured	Result	
1	Conductor						
1.1	Conductor	Structure	Number	61	61	pass	
1.2	Conductor	Diameter	mm	27.80~28.68	28.24	pass	
2	Conductor Shield	Thickness	mm	0.69	0.92	/	
			mm	Min	0.51	0.83	pass
		Irregularities					
		Voids	mm	>0.076	pass	pass	
		Protrusions					
		Into Conductor Shield	mm	<0.17	0	pass	
Into Insulation	<0.127	0		pass			
3	Insulation (TR-XLPE)	Thickness	Min	4.19	4.62	pass	
			Max	5.21	4.94	pass	
		Irregularities					
		Voids	mm	>0.076	pass	pass	
		Contaminants variegated		<0.127	0	pass	
<0.254	0	pass					
4	Hot Creep Test 150°C,15min (TR-XLPE)	Elongation	%	Max	175	32	pass
		Variation after cooling	%	Max	10	0	pass
5	Extruded Insulation Shield	Thickness	Min	1.02	1.32	pass	
			Max	1.91	1.56	pass	
		Diameter	mm	39.0~42.5	40.8	pass	
		Irregularities					
		Voids	mm	>0.076	pass	pass	
		Protrusions					
		Into Conductor Shield	mm	<0.17	0	pass	
		Into Insulation		<0.127	0	pass	
6	Copper wire shielding	Layer	Number	20	20	pass	
		Monofilament diameter	mm	2.59	2.59	/	
7	Jacket(LLDPE) (Black/Red)	Thickness	mm	2.03	2.66	/	
				Min	1.78	2.45	pass
		Max	3.05	3.02	pass		
		Diameter	mm	47.8~51.7	50.3	pass	
8	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max	0.0569	0.0562	pass
		Partial discharge test	35kV	Max	5Pc	3.1Pc	pass
		Voltage test	35kV,5min	no-breakdown		no-breakdown	pass

Test Conclusion: Comply with technology agreement requirement

Inspected by

Signature:

Date 2021/8/13

Approved by

Signature:

Date

杭州益睿电线电缆有限公司
2021/8/13
HANGZHOU EASY ELECTRIC WIRE AND CABLE CO., LTD.