



Part Number: AL/TRXLPE/CWS/LLDPE 750MCM 35kV

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	24.10~24.85	24.82	pass	
2	Conductor Shield	Thickness	mm	0.69	0.77	/	
			mm	Min	0.51	0.71	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	mm	Min	8.38	8.62	pass
			mm	Max	9.53	8.78	pass
		Irregularities					
		Voids	mm	>0.076	pass	pass	
		Contaminants		<0.127	0	pass	
variegated	<0.254	0	pass				
4	Hot Creep Test 150°C,15min (TR-XLPE)	Elongation	%	Max	175	75	pass
		Variation after cooling	%	Max	10	0	pass
5	Extruded Insulation Shield	Thickness	mm	Min	1.40	1.48	pass
			mm	Max	2.29	1.66	pass
		Diameter	mm	44.4~48.2	46.5	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	15	15	pass	
		Monofilament diameter	mm	2.59	2.59	/	
7	Jacket(LLDPE) (Black/Red)	Thickness	mm	2.03	2.62	/	
				Min	1.78	2.52	pass
				Max	3.05	2.86	pass
Diameter	mm	53.1~57.0	55.3	pass			
8	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max	0.0759	0.0746	pass
		Partial discharge test	69kV	Max	5Pc	3.3Pc	pass
		Voltage test	69kV,5min	no-breakdown	no-breakdown	pass	

Test Conclusion: Comply with technology agreement requirement

Inspected by

Signature:

Date

2021/8/13

Approved by

Signature:

Date

2021/8/13

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