



TEST REPORT

Part Number:CU/TRXLPE/CWS/PVC 1*1/0AWG 35kV 133%

Product Description:

NO.	Component	Test item	Units	Requirement	Measured	Result
1	Conductor					
1.1	Conductor	Material		Copper conductor	Copper conductor	pass
1.1	Conductor	Structure	Number	19	19	pass
1.2	Conductor	Diameter	mm	9.0~9.28	9.21	pass
2	Conductor Shield	Thickness	mm	0.51	0.86	/
			mm	Min. 0.30	0.81	pass
		Depth of depression	mm	<0.076	0	pass
		Protrusion height	mm	<0.17	0	pass
3	Insulation (TR-XLPE)	Thickness	mm	Min. 10.16	10.73	pass
			mm	Max. 11.43	10.84	pass
		Protruding height of insulation to insulation shield	mm	<0.17	0	pass
4	Hot Creep Test 150°C,15min (TR-XLPE)	Elongation	%	Max. 175	92	pass
		Variation after cooling	%	Max. 10	0	pass
5	Extruded Insulation Shield	Thickness	mm	Min. 1.02	1.13	pass
			mm	Max. 1.91	1.25	pass
		Depth of insulation shield to insulation recess	mm	<0.127	0	pass
6	Copper Wire	Quantity	pcs	9	9	pass
		Diameter	mm	1.63	1.63	pass
7	Jacket(PVC) (Black with red bar)	Thickness	mm	1.40	1.63	/
			mm	Min. 1.14	1.48	pass
			mm	Max. 2.03	1.74	pass
		Diameter	mm	37.7~40.9	40.8	pass
8	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max. 0.3283	0.3221	pass
		Partial discharge test	84kV	Max. 5Pc	3Pc	pass
		Voltage test(AC:84kV,5min)		no-breakdown	no-breakdown	pass

Test Conclusion: Comply with technology agreement requirement.

Inspected by

Signature:

Date

2022/11/4

Approved by

Signature:

Date

2022/11/4

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