

TEST REPORT

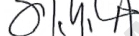
Part Number:CU/TRXLPE/CWS/PVC 1*350MCM 35kV 133%

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	37	37	pass
1.2	Conductor	Diameter	mm	16.4~16.97	16.81	pass
2	Conductor Shield	Thickness	mm	0.51	0.87	/
			mm	Min. 0.41	0.80	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	10.25	pass
			mm	Max. 11.43	11.11	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	60	pass
		Variation after cooling	%	Max. 10	0	pass
5	Extruded Insulation Shield	Thickness	mm	Min. 1.40	1.59	pass
			mm	Max. 2.29	1.74	pass
		Depth of insulation shield to insulation recess	mm	<0.127	0	pass
6	Copper Wire	Quantity	pcs	12	12	pass
		Diameter	mm	2.59	2.59	pass
7	Jacket(PVC) (Black with red bar)	Thickness	mm	2.03	2.06	/
			mm	Min. 1.78	1.93	pass
			mm	Max. 3.05	2.31	pass
		Diameter	mm	48.7~52.0	51.4	pass
8	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max. 0.0990	0.0986	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