

# Test Report

**Part Number: MV-105 Cable, 35KV, 1x750KCMIL CU/133% EPR/CTS/PVC, UL1072 Standard**

**PO NO. Standard: Technology agreement Qty. Shipped 450 meters**

This is to certify that the items listed below were tested, in accordance with product requirements, to the following standards, and with the listed results of the said tests.

NO.	Component	Test item	Units	Requirement		Measured	Result
1	Conductor						
1.1	Conductor	Material		Copper conductor		Copper conductor	pass
1.2	Conductor	Structure	Number	61		61	pass
1.3	Conductor	Diameter	mm	22.6~23.29		22.94	pass
2	Conductor Shield	Thickness	mm	Nominal	0.69	0.75	/
			mm	Min.	0.41	0.64	pass
		recess depth	mm	Max.	0.17	0	pass
		protrusion height	mm	Max.	0.076	0	pass
3	Insulation (EPR)	Thickness	mm	Min.	10.2	10.8	pass
			mm	Max.	11.4	11.1	pass
4	Extruded Insulation Shield	Thickness	mm	Min.	0.61	0.77	pass
			mm	Max.	1.20	1.01	pass
		Diameter	mm	46.6~49.8		47.4	pass
		recess depth	mm	Max.	0.127	0	pass
		protrusion height	mm	Max.	0.17	0	pass
5	Copper tape shielding	Thickness	mm	Min.	0.127	0.128	pass
		Coverage rate	%	Min.	25	26	pass
6	Jacket(PVC) (Black)	Thickness	mm	Nominal	2.79	2.85	/
				Min.	2.54	2.66	pass
				Max.	3.81	3.36	pass
		Diameter	mm	52.9~56.1		53.5	pass
7	Electrical test	D.C. resistance of conductor at 20°C Max.	ohm/Km	Max.	0.0472	0.0466	pass
		Partial discharge test(AC: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 2025/8/7

**Approved by**



Signature:

Date 2025/8/7