


Customer:	---	Drum Number:	---
Company:	<b>Moghan</b>	Size:	---
Issue Date of Results:	<b>1404/01/26</b>	Standard:	<b>BSEN50288-7</b>
Page:	<b>1 of 1</b>	Insulation/Sheath Material:	<b>XLPE/LSHF</b>

Row	Tests		Unit	Requirements	Measurements	Result
1	Tensile strength for Insulation	Before Aging	N/mm <sup>2</sup>	Min=12.5	<b>16.8</b>	Ok
		After Aging	N/mm <sup>2</sup>	---	<b>15.8</b>	Ok
		Variation	%	Max=±25	<b>6</b>	Ok
	Elongation at break for Insulation	Before Aging	%	Min=200	<b>371</b>	Ok
		After Aging		---	<b>356</b>	Ok
		Variation		Max=±25	<b>4</b>	Ok
2	Tensile strength for Sheath	Before Aging	N/mm <sup>2</sup>	Min=9	<b>12.9</b>	Ok
		After Aging	N/mm <sup>2</sup>	Min=9	<b>12.5</b>	Ok
		Variation	%	Max=±40	<b>3.1</b>	Ok
	Elongation at break For Sheath	Before Aging	%	Min=125	<b>206</b>	Ok
		After Aging		Min=100	<b>195</b>	Ok
		Variation		Max=±40	<b>5.3</b>	Ok
3	HotSet	Under Load	%	Max=175	<b>71</b>	Ok
		After Cooling		Max=15	<b>2</b>	Ok
4	Pressure at high temperature	Sheath	%	Max = 50%	<b>25</b>	ok
5	Impact at low temperature		----	Absence of cracks	<b>No Crack</b>	ok
6	Heat Shock		---	Absence of cracks	<b>No Crack</b>	ok
7	Shrinkage Test for Insulation		%	Max=4	<b>1.6</b>	ok
8	Flame retardant		mm	Min=50	<b>445</b>	OK
9	Fire Resistance		---	No breakdown	<b>No breakdown</b>	Ok
10	Smoke Density		%	Min=30	<b>55</b>	Ok
11	Halogen Acid Gas		Mg/gr	Max=5	<b>2.58</b>	ok
12	Determination of the PH		----	Min=4.3	<b>5.7</b>	ok
13	Determination of Conductivity		(us/mm)	Max=10	<b>4.1</b>	ok


## Conclusion

All results { ☒ are ☐ are not } in accordance with requirements above

Accredited Laboratory of Moghan Wire & Cable .

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 Name & Signature of Laboratory Expert

آزمایشگاه مغان  
 OGHAN Co. Laboratory  
 شرکت تولیدی و صنعتی سیم و کابل مغان  
 Moghan wire & cable co.

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 Name & Signature of Laboratory Manager

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 Name & Signature of Owner inspector