MOGHAN WIRE & CABLE Co.

Type Test®

QF20-1/1/00.09

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

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

Conclusion

All results {☑ are ☐ are not} in accordance with requirements abov

Accredited Laboratory of Moghan Wire & Cable .

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Name & Signature of Laboratory Expert	Name & Signature of Laboratory Manager	Name & Signature of Owner inspector

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