




TEST REPORT	
EN 60754-2 :2014/ A1 :2020	
Determination of acidity (by pH measurement and conductivity)	
Report reference No	20.11.064.072
Compiled by (+ signature)	João L. Orelhas
Approved by (+ signature)	 José M. Madeira Cruz
Date of reception of samples	17-05-2021
Start of tests	28-06-2021
End of tests	05-07-2021
Date of issue:	05-07-2021
Testing laboratory:	LABCAB – ISQ: <u>Address:</u> TAGUSPARK – OEIRAS – Av. Prof. Dr. Cavaco Silva, 33. 2740-120 Porto Salvo. Portugal
Applicant:	JSL – Material Elétrico, S.A.: <u>Address:</u> Estrada das Palmeiras 34 2734-504 Barcarena Portugal
Type of test object:	Plastic materials
Code	---
Model/type reference:	Trunking for electrical installations (4040 B-LH) and Flat bend (AP 4040)
Manufacturer:	JSL
Rated voltage:	---
Copy of markings:	
Sheath: ---	
Insulation: ---	
Remarks:	The results within this report are valid only for the tested samples. This report should only be copied on its totality. The tests were performed by ISQ-LABQUI and are under the scope of accreditation IPAC nº L0077.



---

<b>REMARKS</b>

<b>CONCLUSIONS .....</b>	The sample meet all the requirements of the analysed sub-clauses
Sub-clauses with no compliances	

---



## pH and conductivity test

Requirement (\*):

pH:  $\geq 4.3$ Conductivity:  $\leq 2,5 \mu\text{S}/\text{mm}$ 

Sample Ref.	Test Result (EN 60754-2)
1) Trunking for electrical installations (4040B-LH)	<p><u>pH</u> = test 1: 4,70 test 2: 4,64 test 3: 4,61</p> <p>Average value (**): <math>4,65 \pm 0,56</math> (25 °C) - <b>PASS</b></p> <p><u>Conductivity</u>: test 1: 3,450 <math>\mu\text{S}/\text{mm}</math> test 2: 3,200 <math>\mu\text{S}/\text{mm}</math> test 3: 3,450 <math>\mu\text{S}/\text{mm}</math></p> <p>Average value (**): <math>3,367 \pm 0,572</math> <math>\mu\text{S}/\text{mm}</math> (25 °C) - <b>NON CONCLUSIVE</b></p>
2) Flat bend (AP 4040)	<p><u>pH</u> = test 1: 7,21 test 2: 7,24 test 3: 7,10</p> <p>Average value (**): <math>7,18 \pm 0,86</math> (25 °C) - <b>PASS</b></p> <p><u>Conductivity</u>: test 1: 4,200 <math>\mu\text{S}/\text{mm}</math> test 2: 4,500 <math>\mu\text{S}/\text{mm}</math> test 3: 4,220 <math>\mu\text{S}/\text{mm}</math></p> <p>Average value (**): <math>4,307 \pm 0,732</math> <math>\mu\text{S}/\text{mm}</math> (25 °C) - <b>NON CONCLUSIVE (***)</b></p>

(\*) Based on the European electrical cable standard EN 50525-1:2011

(\*\*) Average value obtained from 3 test results

(\*\*\*) To have conclusive results it is recommended to perform the test IEC 60754-2 and if the content of halogen is  $< 0,5 \%$  the EN 60684-2 (Fluorine content).