

<b>TECHNICAL SHEET</b>						Articles code	Description
Code	SK034-AA-00-EN					850PIA0050400102	COPPER STRIP 0,5X4 TINNED
Date of issue	21/01/2015	Release/Revision	00	Pages	01	850PIA0050400202	COPPER STRIP 0,5X4 TINNED H10
Language	English					850PIA0050500202	COPPER STRIP 0,5X5 TINNED
Revision Notes	Unified tinned copper strips, replaced article's codes with new ones, updated tin thickness tolerance.					850PIA0080600202	COPPER STRIP 0,8X6 TINNED
						850PIA0100800102	COPPER STRIP 1X8 TINNED
Replaces	SK008-AB-00(Strip 0,5x4 Sn); SK009-AB-00(Strip 0,5x5 Sn); SK010-AB-00(Strip 0,8x6 Sn); SK029-AA-00(Strip 1x8 Sn)						
<i>General Features</i>							
The tinned copper strips 0,5x4—0,5x5—0,8x6—1x8 are products developed to be used in the thermo crimping machines produced by the company Castech. The strip is obtained by wire drawing a copper wire; the semifinished product so obtained is subsequently annealed under inert atmosphere, to avoid surface oxidation, and tinned in electrolytic bath. Only the H10 state product, before tinning, is wire drawn once more to get the required hardness. The tinning covers completely the strip surface. The so obtained copper strip has great advantages, reduced mechanical and geometric tolerances, rounded corners, excellent for the thermo crimping process.							
<b>Features</b>							
<i>Features</i>		<i>Unit</i>	<i>Value</i>				
Strip type			0,5 x 4	0,5 x 5	0,8 x 6	1 x 8	
Width	mm		4 ± 0,15	5 ± 0,15	6 ± 0,15	8 ± 0,15	
Thickness	mm		0,5 ± 0,05	0,5 ± 0,05	0,8 ± 0,07	1 ± 0,08	
Strip weight per linear meter	g/m		18	22,5	42,5	70,83	
Metric output	m/kg		55,5	44,4	23,53	14,12	
Surface Treatment	%	Electrolytic Tinning Sn 99.9%					
Thickness applied	µm	1 - 3,5					
Packing	Plastic roll						
Quantity per roll	m		100		60	60	
Reference to standard	UNI 5649/88/89						
Rule code	CU-CATH ETP1						
<b>Mechanical Features annealed state</b>							
<i>Features</i>		<i>Unit</i>	<i>Value</i>				
Hardness		HB	40 ÷ 60				
Lengthening breaking		%	≥ 40%				
Unit breaking load		kgF/mm <sup>2</sup>	≥ 20 e ≤ 26				
Reference to standard	UNI 3310-72-P2						
<b>Mechanical Features hardened state H10</b>							
<i>Features</i>		<i>Unit</i>	<i>Value</i>				
Hardness		HB	60 ÷ 85				
Lengthening breaking		%	≥ 15%				
Unit breaking load		kgF/mm <sup>2</sup>	≥ 26 e ≤ 32				
Reference to standard	UNI 3310-72-P2						
<b>Notes and prescriptions</b>							
<ul style="list-style-type: none"> <li>• The hardness values are for guidance only; exclusively those reported in the standard reference are and remain valid.</li> <li>• To be stored in a suitable environment with a relative humidity between 0 ÷ 85%, without condensation.</li> <li>• To measure the thickness of tin applied, the average value within an area of at least 2mm<sup>2</sup> is considered; in this area there shouldn't be parts not covered with tin.</li> </ul>							