

CTC Product Range		Standard	ETE ***	ETE ***
Single Strips			(ESSEX Thin Enamel) ETE 080	(ESSEX Thin Enamel) ETE 060
Enamel increase base coat nominal [mm]		0,100 - 0,120	0,080	0,060
Number of Single Strips		5 - 79	5 - 79	5 - 79
Width of Single Strip [mm]		2,80 - 12,80	2,80 - 12,80	2,80 - 12,80
Thickness of Single Strip [mm]		(0,90*)1,00 - 3,30	1,00* - 3,30	1,00* - 3,30
Ratio w/t of Single Strip		$1,5 \geq X \leq 8,7$	$1,5 \geq X \leq 8,7$	$1,5 \geq X \leq 8,7$
Cross Section of Single Strip [mm <sup>2</sup> ]		3,2 - 40	3,2 - 40	3,2 - 40
Bundle				
Width of Bundle (axial) [mm]		5,6 - 26,2	5,6 - 26,2	5,6 - 26,2
Height of Bundle (radial) [mm]		4,5 - 82	4,5 - 82	4,5 - 82
Interleaving Paper [yes/no]		yes	yes	yes
Ratio Width / Height of Bundle		$0,33 \geq X \leq 8$	$0,33 \geq X \leq 8$	$0,33 \geq X \leq 8$
Transposing Factor		5 - 15	5 - 15	5 - 15
Min. Transposing Pitch Length [mm]		25	25	25
Mechanical Properties				
Proof Stress (Rp 0,2) - Soft annealed [N/mm <sup>2</sup> ]		80 - 120	80 - 120	80 - 120
Proof Stress (Rp 0,2) - Mechanical hardened [N/mm <sup>2</sup> ]		120 - 240	120 - 240	120 - 240
Proof Stress (Rp 0,2) - Silver alloyed [N/mm <sup>2</sup> ]		240 - 380	240 - 380	n.a.
Restrictions				
Proof Stress				
170 N/mm <sup>2</sup> < Rp 0,2 < 220 N/mm <sup>2</sup>	Width of Single Strip [mm]	3,10 - 12,50	3,10 - 12,50	3,10 - 12,50
	Thickness of Single Strip [mm]	1,00 - 3,30	1,00 - 3,30	1,00 - 3,30
	Cross Section of Single Strip [mm <sup>2</sup> ]	4,2 - 39	4,2 - 39	4,2 - 39
220 N/mm <sup>2</sup> < Rp 0,2 < 280 N/mm <sup>2</sup>	Width of Single Strip [mm]	3,10 - 12,50	3,10 - 12,50	3,10 - 12,50
	Thickness of Single Strip [mm]	1,00 - 2,80	1,00 - 2,80	1,00 - 2,80
	Max. Cross Sect. Sing- Strip [mm <sup>2</sup> ]	6,15 - 30	6,15 - 30	6,15 - 30
Transposing Factors < 7				
	Width of Single Strip [mm]	3,10 - 12,10	3,10 - 10,00	3,10 - 12,10
	Thickness of Single Strip [mm]	1,00 - 2,75	1,00 - 2,20	1,00 - 2,75
	Proof Stress (Rp 0,2) [N/mm <sup>2</sup> ]	80 - 230	80 - 230	80 - 230

\* further combination possible, Please contact us,

\*\* higher amount possible on request

\*\*\*CTC with reduced base coat

01/09/2019

## ESSEX ITALY

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EPOXY Coating *			(ESSEX Thin Enamel) ETE 080	(ESSEX Thin Enamel) ETE 060
EPOXY	Type X	yes	yes	yes
	Type X2	yes	yes	yes
All Around Application	Increase Width Single Strip [mm]	0,040	0,040	0,040
	Increase Thickn. Single Strip [mm]	0,040	0,040	0,040
Radial Bond Application	Increase Width Single Strip [mm]	0,000	0,000	0,000
	Increase Thickn. Single Strip [mm]	0,040	0,040	0,040
Insulation Systems*				
Conductor				
Polyvinylformal (PVA), class 120		yes	yes	yes
Theic-Polyester Imide + Polyamidimide, class 200		yes	yes	Available in case Rp0,2% < 200 N/mm2
Polyamidimide, class 220		yes	yes	Available in case Rp0,2% < 200 N/mm2
Cable				
Paper (Kraft, High Density, Thermally Upgraded, Crepe)		yes	yes	yes
Aramide Paper		yes	yes	yes
Improved Cooling (Cordex, Netting, Netting with additional edge insulation*, Perforated)		yes	yes	yes
Packaging **				
Max Weight per Drum [t]		6,0t*	6,0t*	6,0t*
Drum Size		see packaging list*	see packaging list*	see packaging list*

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