

Class 105 Paper-Covered Bare Rectangular Copper Wire

Table 1 Specifications

Insulation materials	rope paper, kraft paper, or both																																																																										
Thermal Class	105																																																																										
Diameter	Bare wire radii /mm: Width: Thickness: Mini: 2.032-16.370 Mini: 0.991-7.267 Normal: 2.057-16.535 Normal: 1.016-7.341 Max:2.083-16.701; Max:1.041-7.414																																																																										
Dimensions	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="3">N</th> <th colspan="4">t = 0.0015 in (0.038 mm)</th> <th colspan="4">t = 0.002 in (.051 mm)</th> <th colspan="4">t = 0.003 in (.076 mm)</th> </tr> <tr> <th colspan="2">Minimum</th> <th colspan="2">Maximum</th> <th colspan="2">Minimum</th> <th colspan="2">Maximum</th> <th colspan="2">Minimum</th> <th colspan="2">Maximum</th> </tr> <tr> <th>Inches</th> <th>mm</th> <th>Inches</th> <th>mm</th> <th>Inches</th> <th>mm</th> <th>Inches</th> <th>mm</th> <th>Inches</th> <th>mm</th> <th>Inches</th> <th>mm</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>0.005</td> <td>0.127</td> <td>0.009</td> <td>0.229</td> <td>0.007</td> <td>0.178</td> <td>0.012</td> <td>0.305</td> <td>0.010</td> <td>0.254</td> <td>0.018</td> <td>0.457</td> </tr> <tr> <td>3</td> <td>0.008</td> <td>0.203</td> <td>0.012</td> <td>0.305</td> <td>0.010</td> <td>0.254</td> <td>0.016</td> <td>0.406</td> <td>0.015</td> <td>0.381</td> <td>0.024</td> <td>0.610</td> </tr> </tbody> </table> <p>Dimensions of Rectangular Wire Due to Tape Covering</p>												N	t = 0.0015 in (0.038 mm)				t = 0.002 in (.051 mm)				t = 0.003 in (.076 mm)				Minimum		Maximum		Minimum		Maximum		Minimum		Maximum		Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	2	0.005	0.127	0.009	0.229	0.007	0.178	0.012	0.305	0.010	0.254	0.018	0.457	3	0.008	0.203	0.012	0.305	0.010	0.254	0.016	0.406	0.015	0.381	0.024	0.610
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Table 2 Properties

Springback	Not less than 5.5°
Adherence And Flexibility	Covering shall not loosen appreciably nor open sufficiently to expose the bare wire after bending around a mandrel having a dimension six times the thickness of the bare wire.

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