

## TEST PROCEDURE FOR COMPLETED CABLE

ITEM		Production ↓	Test →																								
1	Lighting power Construction cables	Cables & cords	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Conductor resistance</td></tr> <tr><td>High voltage test</td></tr> <tr><td>Insulation resistance test</td></tr> <tr><td>Mutual capacitance</td></tr> <tr><td>Capacitance unbalance</td></tr> <tr><td>Attenuation</td></tr> <tr><td>Measurement of thickness &amp; Overall dimension</td></tr> <tr><td>Tensile &amp; Elongation</td></tr> <tr><td>Water absorption test</td></tr> <tr><td>Test at low temperature</td></tr> <tr><td>Bending test</td></tr> <tr><td>Impact test</td></tr> <tr><td>Thermal ageing method</td></tr> <tr><td>Loss of mass test</td></tr> <tr><td>Pressure test at high temperature</td></tr> <tr><td>Hot set test</td></tr> <tr><td>Shrinkage test</td></tr> <tr><td>Thermal stability test</td></tr> <tr><td>Determination of hardness</td></tr> <tr><td>Heat shock test</td></tr> <tr><td>Test under fire condition</td></tr> <tr><td>Long term test</td></tr> <tr><td>Flexibility test</td></tr> <tr><td>Absence of faults in</td></tr> </table>	Conductor resistance	High voltage test	Insulation resistance test	Mutual capacitance	Capacitance unbalance	Attenuation	Measurement of thickness & Overall dimension	Tensile & Elongation	Water absorption test	Test at low temperature	Bending test	Impact test	Thermal ageing method	Loss of mass test	Pressure test at high temperature	Hot set test	Shrinkage test	Thermal stability test	Determination of hardness	Heat shock test	Test under fire condition	Long term test	Flexibility test	Absence of faults in
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2	Low voltage power cable	Up to 1 kV																									
3	Control data transmission cables	Control Instrumentation Communication & data transmission																									
4	Fire & thermal resistant low smoke halogen free, flame retardant cables	Fire resistance Thermal resistance Low smoke Halogen free-low smoke																									
Test Method →			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>IEC 60228-TCT</td></tr> <tr><td>IEC 60502 -</td></tr> <tr><td>IEC 60502 - TCT- IEC 60227</td></tr> <tr><td>IEC 60189-1 - TCT</td></tr> <tr><td>IEC 60189-1 - TCT</td></tr> <tr><td>IEC 60189-1 - TCT</td></tr> <tr><td>IEC 60811-1-1</td></tr> <tr><td>IEC 60811-1-1</td></tr> <tr><td>IEC 60811-1-3</td></tr> <tr><td>IEC 60811-1-4</td></tr> <tr><td>IEC 60811-1-4</td></tr> <tr><td>IEC 60811-1-4</td></tr> <tr><td>IEC 60811-1-2</td></tr> <tr><td>IEC 60811-3-2</td></tr> <tr><td>IEC 60811-3-1</td></tr> <tr><td>IEC 60811-2-1</td></tr> <tr><td>IEC 60811-1-3</td></tr> <tr><td>IEC 60811-3-2</td></tr> <tr><td>ASTM D2240</td></tr> <tr><td>IEC 60811-3-1</td></tr> <tr><td>IEC 332-1</td></tr> <tr><td>EN 50 395</td></tr> <tr><td>EN 50 396</td></tr> <tr><td>EN 50 395</td></tr> </table>	IEC 60228-TCT	IEC 60502 -	IEC 60502 - TCT- IEC 60227	IEC 60189-1 - TCT	IEC 60189-1 - TCT	IEC 60189-1 - TCT	IEC 60811-1-1	IEC 60811-1-1	IEC 60811-1-3	IEC 60811-1-4	IEC 60811-1-4	IEC 60811-1-4	IEC 60811-1-2	IEC 60811-3-2	IEC 60811-3-1	IEC 60811-2-1	IEC 60811-1-3	IEC 60811-3-2	ASTM D2240	IEC 60811-3-1	IEC 332-1	EN 50 395	EN 50 396	EN 50 395
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