



TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING

Lift cables

IEC 60245- 5 2. Edition (1994-07)+Am.2(2003-12)

R=Required by Lab

S=May be subcontracted

Ref. No.	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
In general		Testing equipment according to IEC 60245-2 and additional test.	
IEC60811-1-2 Sub Clause 8.2	Tensile test after ageing in the air bomb.	Tensile machine, equipment for punching dumb-bell test pieces equipment for cutting or grinding the insulation to obtain 2 parallel surfaces. Optical measuring device / dial gauge. Air bomb	R
IEC60811-2-1 Sub Clause 8	Ozone resistance test.	A device for generating a controlled amount of ozone. A means for circulating ozonized air under controlled conditions of humidity and temperature through a chamber containing the test pieces to be tested. A means for determination of ozone concentration. A suitable device for the clamping and elongation of test pieces. Cylindrical mandrels consisting of wood or metal. A desiccator filled with silica gel or equivalent material. An accurate laboratory balance reading to 0,1mg.	R
IEC 60811-2-1 Sub Clause 10	Tensile test after immersion in mineral oil.	Tensile machine, equipment for punching dumb-bell test pieces equipment for cutting or grinding the sheath to obtain 2 parallel surfaces. Oil no. 2 (IRM 902), oil bath (heated).	R
IEC 60811-1-4 Sub Clause 8.2	Cold bending test for the sheath.	Cold bend test apparatus consisting essentially of a revolving mandrel and guiding devices for the test pieces.	R



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		Refrigerator, mandrels with different diameters.	
IEC 60811-1-4 Sub Clause 8.4	Cold elongation test for the sheath. (Only applicable if the overall diameter of the cable exceeds the limit specified in the test method)	Tensile machine with a cooling device or elongation machine installed in a cooling chamber.	R
Table 2Ref.:5.5	Long length of hanging loops	Under consideration	