



Issue No.	1
Revision No.	0
Date of Issue	2014-04-24
Page 9 of 14	

- a) Measurement of the electrical resistance of conductors;
- b) Partial discharge test
- c) Voltage test.

5.3.2 The sample tests as per IEC 60502-2 and are as follows:

- a) Conductor examination;
- b) Check of dimensions;
- c) Voltage test;
- d) Hot set test for XLPE insulation and elastomeric sheaths.

In addition to Routine and Sample Tests as per IEC 60502-2, KPLC Engineers will verify the length on a randomly selected drum at the factory during Acceptance Testing.

5.4 Sampling (as per IEC 60502-2)

5.4.1 Samples shall be selected as per Table 1 and IEC 60502-2 for other lengths.

Table 1: Number of samples for sample tests

Cable length				Number of samples
Multicore cables		Single-core cables		
Above km	Up to and including km	Above km	Up to and including km	
2	10	4	20	1
10	20	20	40	2
20	30	40	60	3
30	40	60	80	4
40	50	80	100	5

5.4.2 If any sample fails in any of the tests, two further samples shall be taken from the same batch and subjected to the same test or tests in which the original sample failed. If both additional samples pass the tests, all the cables in the batch from which they were taken shall be regarded as complying with the requirements of this specification. If either of the additional samples fails, the batch from which they were taken shall be regarded as failing to comply.

5.5 During delivery of the cables, KPLC will inspect them and may perform or have performed any of the relevant tests in order to verify compliance with the specification. The supplier shall replace/rectify without charge to KPLC, cables which upon examination, test or use fail to meet any of the requirements in the specification.