

Cable Sheath Repair

Contents

1.0	General	1-1
1.1	Scope	1-1
1.2	Organization	1-1
2.0	General Information	2-1
2.1	Definition and Purpose of Cable Sheath Repair Kit	2-1
2.2	Cable Sheath Repair Kit Classifications	2-1
2.3	Method of Evaluation	2-1
2.3.1	Criteria	2-1
2.3.2	Design Evaluation and Test Data	2-1
3.0	General Requirements	3-1
3.1	Quality Assurance	3-1
3.2	Documentation	3-1
3.2.1	Practices	3-1
3.2.2	Workcenter Information Package	3-1
3.3	Marking, Packaging and Shipping	3-1
4.0	Functional Design Criteria	4-1
4.1	Scope	4-1
4.2	Materials	4-1
4.3	Bonding	4-1
4.4	Repair Kit Housing, Wrap, Tape, or Cover	4-1
4.5	Installation	4-1
4.6	Design Features	4-2
4.7	Performance Requirements	4-3
4.7.1	Electrical	4-3
4.7.2	Mechanical	4-3
4.7.3	Chemical	4-4
4.7.4	Biological	4-5
4.7.5	Ultraviolet Resistance	4-5
4.7.6	Environmental	4-5
5.0	Performance Criteria	5-1
5.1	General Information	5-1
5.2	Test Program Development	5-1
5.3	Testing Procedures	5-2

5.4	General Tests	5-3
5.4.1	Electrical.....	5-3
5.4.2	Mechanical	5-4
5.4.3	Chemical Resistance	5-6
5.4.4	Optional Environmental Tests.....	5-7
5.4.5	Fungus Resistance.	5-7
5.4.6	Ultraviolet Exposure Resistance.....	5-7
5.4.7	Encapsulant Compatibility.	5-7
5.5	Performance Testing	5-7
5.5.1	Sample Preparation.	5-8
5.6	Performance Testing Criteria	5-8
6.0	Quality Assurance	6-1
6.1	Program Requirements.....	6-1