



Ramsey, New Jersey 07446

QUALITY SYSTEM

The Okonite Company's commitment to Total Quality in the design, manufacture, delivery and service of wire and cable products since 1878 has been proven by continuing improvements achieved by dedicated employees for our valued customers. Quality consistency of Okonite cables for industrial, railroad, rapid transit, electric utility generating (fossil, nuclear and renewable) /distribution and military applications are demonstrated by Okonite ESOP employees following planned and systematic procedures which assure customer satisfaction with installation and years of reliable service.

1. ORGANIZATION

The Okonite Company has established and executed a formal Quality Management System since the 1970's, that has exceeded customers expectations. The authority and duties of the personnel and organizations performing quality functions are clearly defined and documented in writing. The Company Quality Organization Charts are posted on the public web page www.okonite.com/qualityassurance.html .

2. QUALITY SYSTEM

Okonite's Quality System is based on the QA Management criteria of ISO 9001:2015 and complies with the requirements of QA Standards 10CFR50 Appendix B, NQA-1-1994, ANSI N45.2, and AAR M 1003.

3. DESIGN CONTROL

Okonite HQ design control is based upon the selection and qualification of raw materials that are used to produce premium standardized cable constructions which meet or exceed Okonite and regulatory acceptance test and performance criteria. Customer requirements are satisfied by applying Okonite cable quality standards to meet purchase criteria.

4. PROCUREMENT DOCUMENT CONTROL

Purchase Specifications requiring approved suppliers for raw materials and cable components are prepared by the Research and Engineering Divisions. Purchase of sub-supplier items which require applicable regulatory requirements (necessary to assure quality) is defined by Okonite purchases order for compliance by the supplier.

5. INSTRUCTIONS, PROCEDURE AND DRAWINGS

Above activities affecting quality are assured by written instructions, procedures and/or drawings appropriate to the need. These documents include appropriate quantitative or qualitative acceptance criteria for determining that activities have been achieved.

6. DOCUMENT CONTROL

Procedures are established to control the issuance and updating by authorized personnel of Corporate policies technical and manufacturing specifications to insure an effective Quality System.

7. CONTROL OF PURCHASED MATERIAL

Cable quality is assured by a proven system of Okonite policies and procedures for purchased materials that provide for development and review of quality requirements, materials evaluation, purchase specifications, supplier selection/approvals and incoming materials inspection. Suppliers of materials that have achieved satisfactory performance and are Certified, enter into a Quality Partnership and are exempt from receipt testing.

8. IDENTIFICATION & CONTROL OF MATERIALS, PARTS AND SUBCOMPONENTS

Procedures are established for the identification and control of materials and cable components used during all stages of manufacture. Measures are provided to prevent the use of incorrect or defective materials. Traceability procedures define data records which permit the linking of records from final shipping reels to the customer back to the insulation of the single conductors making up the cable.

9. CONTROL OF SPECIAL PROCESSES

There are no special processes as defined by either 10CFR50 Appendix B (NRC), ANSI N 45.2 or ISO 9001, employed in Okonite wire and cable manufacture.

10. INSPECTION

Inspection and testing programs are in effect to insure compliance with appropriate instructions, procedures and/or drawings. Inspections are performed by trained and qualified personnel.

11. TEST CONTROL

Applicable test methods and procedures are documented for determination of physical and electrical properties involving product qualification testing, production, in-process and final acceptance testing to ensure compliance with applicable customer requirements. Testing is performed by trained and qualified personnel.

12. CONTROL OF MEASURING & TEST EQUIPMENT

Measurement devices employed for acceptance/rejection decisions of materials, components and/or finished wire and cables are covered by a calibration maintenance program which includes as-found conditions, frequency, status identification and the use of standards traceable to NIST.

13. HANDLING, STORAGE AND SHIPPING

Handling of materials is accomplished by personnel trained in the use of the appropriate equipment and proper techniques of storage in accordance with quality assurance requirements to prevent damage or deterioration. Specific packaging, marking and loading are used to meet customer and appropriate regulatory and industrial shipping standards.

14. INSPECTION, TEST AND OPERATING STATUS

A product traveler document (C&R) is prepared for each item to be manufactured. This document defines the manufacturing processes involved, the proper sequence of all manufacturing, test and inspection operations required to assure the product complies with applicable specifications. Status of latest satisfactory manufacturing sequence completed is contained on the individual reel of insulated wire/cable.

15. NON-CONFORMING MATERIAL, PARTS AND COMPONENTS

Specific procedures and instructions are established for non-conforming material or product, thereby preventing their use in products which would not meet applicable customer specification requirements.

16. CORRECTIVE ACTION

A system has been established and maintained that focuses on corrective action (C/A) to prevent the recurrence of deficiencies. This system, applicable to departmental procedures as well as product quality, consists of; investigation of non-conforming (N/C) purchased materials, manufactured product and evaluating C/A to prevent recurrence: auditing processes, procedures, customer complaints, etc. to identify adverse trends and initiate C/A to eliminate possible N/C products/services; and follow-up on C/A responses is performed to assess effectiveness of implemented changes.

17. QUALITY RECORDS

Procedures have been established and are maintained that control quality records. Quality records are maintained by each functional activity as a means of providing objective evidence that Okonite wire/cables meet specified technical and quality requirements. Applicable system records and retention periods are as specified within the Quality Manual.

18. QUALITY AUDITS

Internal audits are performed by Quality Assurance in accordance with established procedures on a scheduled basis that provide ongoing analysis of the effectiveness of the Okonite Quality System in maintaining compliance to 10CFR50 Appendix B (Quality Assurance Criteria for Nuclear Power Plants), AAR M-1003 (Quality Assurance Criteria for Class 1 Railroads) and International Standard ISO 9001, Quality Systems. Records of internal audits are maintained along with applicable cause and corrective actions resulting from audit findings.

19. TRAINING

Personnel performing activities affecting quality are qualified for their assigned duties. Training needs are identified and appropriate instruction is provided, as required. Training records are maintained by the Personnel Department.

20. STATISTICAL TECHNIQUES

Statistics are utilized, where appropriate, for process control, data analysis (including process capability and validation), defect prevention, problem identification and solving, product and service improvement.

21. CUSTOMER FOCUS

Customer Satisfaction is a basic building block of the Okonite Quality Policy. The ability to meet or exceed customer requirements is evident from the initial contact with our District Sales Offices through final delivery of their product. With an effective customer relations and service program, Okonite listens to our customers and works with them to achieve satisfaction.

22. CONTINUOUS IMPROVEMENT

Another building block of the Okonite Quality Policy is our commitment to Continuously Improving our Products and Processes. Through a variety of programs, such as; Management Reviews, CAPA, customer feedback, Internal Audits, Statistical Analysis and more, Okonite is always looking at the way we operate in an effort to make them even better.

23. RISK ASSESSMENT

In many aspects of our operations, informal risk assessments are performed. For significant issues, a formal risk assessment project can be performed.