

Kaf-Tech

This product specification is written according to the Construction Specifications Institute
MasterFormat, 2018 Update.

SECTION 26 05 33

NONMETALLIC MECHANICAL PROTECTION TUBING –NMPT

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions.

1.2 SUMMARY

- A. This Section includes Mechanical Protection Tubing – MPT for Interconnection of separate component assemblies or consoles of electrical devices, such as robotics, medical or X-ray equipment

1.3 REFERENCES

- A. UL 1696 - Standard for Mechanical Protection Tubing – MPT

1.4 SUBMITTALS

- A. Product Data: NMPT and fitting.
- B. Qualification Data: For testing agency.
- C. Field quality-control test reports.

1.5 QUALITY ASSURANCE

- A. Electrical equipment and materials shall be new and within one year of manufacture, complying with the latest codes and standards. No used, re-built, refurbished and/or re-manufactured electrical equipment and materials shall be furnished on this project.
- B. Testing Agency Qualifications: An independent agency, with the experience and capability to conduct the testing indicated, that is a member company of the International Electrical Testing Association or is a nationally recognized testing laboratory (NRTL) as defined by OSHA in 29 CFR 1910.7, and that is acceptable to authorities having jurisdiction.
- C. Electrical Components, Devices, and Accessories: Recognized Component Listing by a testing agency acceptable to authorities having jurisdiction.

- D. NMPT shall be manufactured in accordance with the applicable UL Standard referenced in 1.3.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in unopened cartons or bundles as appropriate, clearly identified with manufacturer's name, Underwriter's or other approved label, grade or identifying number.

PART 2 – PRODUCTS

2.1 NONMETALLIC MECHANICAL PROTECTION TUBING

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. AFC Cable Systems, Inc. (Ultraflex)
- B. NMPT is used for the support, routing and mechanical protection of conductors, wires, and cables. It is intended to be used to interconnect separate component assemblies or consoles of electrical devices, such as robotics, medical or X-ray equipment.
- C. NMPT is a nonmetallic UL recognized component tubing in compliance with UL 1696. It is treated as an assembly. The product is only recognized when an approved manufactures fitting is utilized. Fittings for NMPT shall be in compliance with UL 1696.

PART 3 – EXECUTION

3.1 RACEWAY APPLICATION

- A. NMPT is used for the Interconnection of separate component assemblies or consoles of electrical devices, such as robotics, medical or X-ray equipment:
- B. Raceway Fittings: NMPT is only recognized when an approved manufactures fitting is utilized. Fittings for NMPT shall be in compliance with UL 1696.