



TECHNICAL SERVICES DEPARTMENT

BULLETIN

No. 104
April 2012

Use of Listed Flexible Raceways

The purpose of this bulletin is to address the use of Flexible Raceways that are listed for use in accordance with the National Electrical Code®. The NEC® requires that all raceways be listed including Flexible Metal Conduit, Liquidtight Flexible Metal Conduit, and Liquidtight Flexible Nonmetallic Conduit.

The NEC® definition of “listed” is as follows:

Listed. Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or service meets appropriate designated standards or has been tested and found suitable for a specified purpose.

The listing of Flexible Raceways provides assurance that the product is evaluated, that production is subject to periodic third party inspection and that the product meets appropriate designated product standards. Annex A of the NEC provides a list of product safety standards used for product listing where that listing is required by the NEC.

The product standards contain product design, test, and performance requirements that reflect the uses permitted by the NEC and compatibility within the wiring system in which they are used. Performance and compatibility requirements include:

- | | |
|------------------------|-------------------------|
| *Crush and Impact | *Bending radius |
| *Electrical Resistance | *Corrosion protection |
| *Fault Current | *Secureness of fittings |
| *Conduit Dimensions | *Flame propagation |
| *Moisture Penetration | * Weather resistance |

Flexible Raceways that are listed for use in accordance with the National Electrical Code may be used in any application permitted by the NEC for that raceway and are compatible with and suitable for use with boxes, connectors, and fittings that are listed for use with that raceway.

Distribution List:

Standards and Conformity Assessment Policy Committee

Codes and Standards Committee

NEMA Technical Services Department