

Technical Specifications

LIQUID-TUFF™

Non-UL Liquidtight Flexible Steel Conduit, Type LFMC-VF

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Scope

This specification covers AFC Cable Systems, Inc. LIQUID-TUFF™ Liquidtight, Flexible Steel Conduit, Type VF designed for use as a raceway for power, control and communications cables in commercial and industrial applications where flexibility is required. The product is appropriate for use at 60°C (140°F) in a dry location, 60°C in a wet location or 60°C in an oily location. SUNLIGHT RESISTANT in all trade sizes. The product is JIC and has no agency listing or certification.

Construction

The LIQUID-TUFF™ Liquidtight, Flexible Steel Conduit, Type VF core shall be formed into an interlocked steel conduit from a zinc coated galvanized low carbon steel strip having a uniform width and thickness. The convolutions of the interlock shall be filled with a fibrous material designed to promote flexibility.

Jacket – PVC

A rugged moisture, oil and sunlight resistant polyvinyl chloride (PVC) jacket shall be extruded directly over the interlocked flexible steel core with a wall thickness in conformance with Table 1 below.

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Markings

The outer surface of the jacket shall be clearly marked with the applicable print legend.

Performance Tests

The completed LIQUID-TUFF™ Liquidtight, Flexible Steel Conduit, Type VF shall meet all of the performance requirements prescribed by applicable manufacturing standards.

Table 1

| Conduit Size | | Minimum Acceptable Average Thickness of Jacket, (inches) |
|--------------|-------------------|--|
| Trade Size | Metric Designator | |
| 3/8 | 12 | 0.030 |
| 1/2 | 16 | 0.030 |
| 3/4 | 21 | 0.035 |
| 1 | 27 | 0.035 |
| 1¼ | 35 | 0.035 |
| 1½ | 41 | 0.040 |
| 2 | 53 | 0.040 |
| 2½ | 63 | 0.050 |
| 3 | 78 | 0.050 |
| 3½ | 91 | 0.060 |
| 4 | 103 | 0.060 |

