

LIQUID-TUFF™

Non-UL Liquidtight VF Flexible Steel Conduit

Description

- Mechanical and moisture protection for conductors
- Sunlight resistant
- Flame retardant PVC jacket – Grey
- Hot dipped zinc galvanized low carbon steel core
- Very flexible

Temperature Rating

- 60°C to -20°C Dry
- 60°C Wet
- 60°C Oil resistant



Applications

- 600 volt and lower circuits
- Vibration and movement absorbing

Ordering Information

Product Dimensions/Bend Radius

Product Code	Trade Size (inches)	Trade Size (mm)	Coil Length (feet)	Reel Length (feet)	Approx. Weight/100 feet (pounds)	External Diameter (inches)		Internal Diameter (min/max) inches	Bend Radius (inches)
						Over Conduit (min/max)	Over Jacket (min/max)		
6101-30-00	3/8	12	100'	—	22	0.594/0.614	0.690/0.710	0.484/0.504	2
6101-45-00	3/8	12	—	500'	22	0.594/0.614	0.690/0.710	0.484/0.504	2
6101-60-00	3/8	12	—	1000'	22	0.594/0.614	0.690/0.710	0.484/0.504	2
6101-65-00	3/8	12	—	2500'	22	0.594/0.614	0.690/0.710	0.484/0.504	2
6102-30-00	1/2	16	100'	—	26	0.732/0.765	0.820/0.840	0.622/0.642	3.25
6102-45-00	1/2	16	—	500'	26	0.732/0.765	0.820/0.840	0.622/0.642	3.25
6102-60-00	1/2	16	—	1000'	26	0.732/0.765	0.820/0.840	0.622/0.642	3.25
6102-68-00	1/2	16	—	3500'	26	0.732/0.765	0.820/0.840	0.622/0.642	3.25
6103-30-00	3/4	21	100'	—	33	0.930/0.960	1.030/1.050	0.820/0.840	4.25
6103-45-00	3/4	21	—	500'	33	0.930/0.960	1.030/1.050	0.820/0.840	4.25
6103-60-00	3/4	21	—	1000'	33	0.930/0.960	1.030/1.050	0.820/0.840	4.25
6103-66-00	3/4	21	—	2000'	33	0.930/0.960	1.030/1.050	0.820/0.840	4.25
6104-30-00	1	27	100'	—	45	1.201/1.226	1.290/1.315	1.041/1.066	6.5
6104-41-00	1	27	—	400'	45	1.201/1.226	1.290/1.315	1.041/1.066	6.5
6105-24-00	1¼	35	50'	—	60	1.540/1.570	1.630/1.660	1.380/1.410	8
6105-40-00	1¼	35	—	200'	60	1.540/1.570	1.630/1.660	1.380/1.410	8
6105-47-00	1¼	35	—	750'	60	1.540/1.570	1.630/1.660	1.380/1.410	8
6106-24-00	1½	41	50'	—	90	1.735/1.770	1.865/1.900	1.575/1.600	9
6106-35-00	1½	41	—	150'	90	1.735/1.770	1.865/1.900	1.575/1.600	9
6106-62-00	1½	41	—	600'	90	1.735/1.770	1.865/1.900	1.575/1.600	9
6107-24-00	2	53	50'	—	120	2.180/2.215	2.340/2.375	2.020/2.045	11.12
6107-30-00	2	53	—	100'	120	2.180/2.215	2.340/2.375	2.020/2.045	11.12
6107-80-00	2	53	—	300'	120	2.180/2.215	2.340/2.375	2.020/2.045	11.12
6108-22-00	2½	63	25'	—	121	2.640/2.675	2.840/2.875	2.480/2.505	14.62
6108-79-00	2½	63	—	275'	121	2.640/2.675	2.840/2.875	2.480/2.505	14.62
6109-22-00	3	78	25'	—	145	3.295/3.335	3.460/3.500	3.070/3.100	17.5
6109-56-00	3	78	—	175'	145	3.295/3.335	3.460/3.500	3.070/3.100	17.5
6120-22-00	3½	91	25'	—	200	3.720/3.789	3.960/4.000	3.500/3.540	20
6120-56-00	3½	91	—	175'	200	3.720/3.789	3.960/4.000	3.500/3.540	20
6110-22-00	4	103	25'	—	250	4.220/4.280	4.460/4.500	4.000/4.040	24
6110-30-00	4	103	—	100'	250	4.220/4.280	4.460/4.500	4.000/4.040	24

NOTE: All dimensions and weights are subject to normal manufacturing tolerances.

Not for grounding.

LIQUID-TUFF™

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

Scope

This specification covers AFC Cable Systems, Inc. LIQUID-TUFF™ Liquidtight, Flexible Steel Conduit, Type VF designed for use in specific applications where the product is designed to be used for specific applications where Underwriters Laboratories Inc. (UL) or other agency approvals are not required 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.

Jacket: Grey

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