

SHIELDTITE® Z1

EMI/EMP Shielding - Zero Halogen
Liquid-Tight Flexible Metal Conduit (LFMC)



Construction

- Constructed of continuously interlocked high shielding bronze core for exceptional shielding effectiveness.
- Durable, sunlight resistant, flame retardant, LOW SMOKE and ZERO HALOGEN TPU jacket that resists heat, oil and chemical breakdown.
- Designed for most extreme temperature applications.
- Meets the demands of today's higher temperature rated conductors.



Interlocked Design 3/8" through 4"

Installation

- Conduit used with standard liquid-tight connector for easy installation. IP 66/67 rated when installed with approved connectors.
- Meets MIL-STD-1310D for EMI and EMP shielding.
- Smooth interior surface protects sensitive conductor from harm.
- Provide shielding effectiveness of 81 – 119Db at 1 Megahertz to 1 Gigahertz.
- Rated for temperature range from -40°F to 176°F (-40°C to +80°C)
- Manufactured in full range of sizes from 3/8" through 4".
- Available in custom-cut length.

Tested to the following STANDARDS

- ASTM E 162 – Flame Spread Index
- ASTM E662 - Optical smoke density
- SMP 800C Toxicity
- Toxic Gas Generation BSS 7239
- ASTM C 1166 Flame Propagation

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See pages 23-28 for fittings



• RoHS WEEE COMPLIANT

Type SHIELDTITE® Z1

Gray Halogen Free jacket



Product Specifications

Ordering Information

Electrical Trade Size		Inside Diameter		Outside Diameter		Approx Inside Bend Radius	Approx Weight lbs.	AVAILABLE IN RANDOM LENGTHS	Part Number
Inches	mm	Inches		Inches		Inches	PER 100 FT.		NAED
		MIN.	MAX.	MIN.	MAX.				PIN
3/8	12	.485	.505	.690	.710	3.0	24		450200-0185
1/2	16	.622	.642	.820	.840	3.0	28	450202-0185	
3/4	21	.815	.835	1.030	1.050	4.0	42	450204-0185	
1	27	1.041	1.066	1.290	1.315	4.0	56	450206-0185	
1-1/4	35	1.370	1.395	1.630	1.660	4.5	75	450208-0185	
1-1/2	41	1.575	1.600	1.865	1.900	7.0	96	450210-0185	
2	53	2.020	2.045	2.340	2.375	9.5	125	450212-0185	
2-1/2	63	2.480	2.505	2.840	2.875	12	165	450214-0185	
3	78	3.070	3.100	3.460	3.500	13.5	211	450216-0185	
4	103	4.000	4.040	4.460	4.500	17	298	450220-0185	

TYPICAL SPECIFICATION:

Conduit shall be Anaconda SEALTITE® Type SHIELDTITE® Z1. Conduit shall have a Low Smoke and Zero Halogen cover and be constructed with bronze core of high level shielding. Conduit shall meet Mil-STD 1310D for EMI and EMP shielding effectiveness of 81 – 119 Db at 1 Megahertz to 1 Gigahertz. Conduit shall be suitable for use within operating temperature range of -40F to 176F (-40C to 80C).