

Anaconda Sealtite conduit

TYPE SHIELDTITE Z1 GREY



ROBUST, EMI / EMP SHIELDING AND HALOGEN FREE

Type Shieldtite Z1 is a very robust conduit with a fully interlocked bronze core and thick, smooth low smoke, halogen free TPU cover. The conduit meets the requirements of MIL-STD-1310D in applications requiring protection against electromagnetic interference. Type Shieldtite Z1 TPU cover complies with the smoke and fire requirements of EN 45545-2 and is resistant to sunlight, heat, oil and chemicals. The conduit provided EMI/EMC shielding applications on rolling stock, submarines, control stations and towers and other applications where electrical continuity is required.

Material & Construction:

Construction: Bronze core, fully-interlocked, thick smooth Thermoplastic Polyurethane (TPU compound) cover.

Cover specifications: V0-rated Polyurethane, lead-free according to RoHS, sunlight and UV resistant, suitable for outside installation. The cover is resistant against oil and grease.

Special approvals, flame properties according to:

- EN 45545-2 (2013):
R22 (interior equipment) class HL1 and HL2
R23 (exterior equipment) class HL1/HL2/HL3

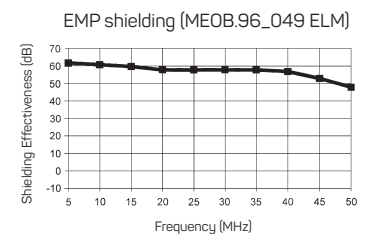
(Average results: CIT_{nlp} = 0,12, D_s max = 230 and LOI >32).

- EN ISO 11925-2: passes the Allumability test at 30 sec.

Flame property tests: Official tests (VTEC Laboratories Inc.) indicate that the Polyurethane used in Shieldtite Z1 meets the requirements for NFPA 130, ASTM E162, ASTM E662 and BSS 7239.

Temperature: -50 °C till +105 °C, intermittent up to +125 °C.

Colour: Grey.



Classification according to NEN-EN-IEC 61386:

Compression resistance: Class 4, Heavy (1250 N).

Impact resistance: Class 4, Heavy (6 J).

Tensile strength: Class 4, Heavy (1000 N).

Protection class: IP 66 / 67 (dust-proof, water-tight).



Inter locked

SEALTITE	DIAMETRE		BENDING RADIUS (CL)		STANDARD CARTON		SMALL CARTON		REEL		WEIGHT (kg/m)
	Size (inch)	Inside (mm)	Outside (mm)	Static (mm)	Dynamic (mm)	Metre	Article No. grey	Metre	Article No. grey	Metre	
3/8"	12,6	17,8	80	100	30	304.212.1	-	-	-	-	0,3
1/2"	16	21,1	90	125	30	304.216.1	-	-	-	-	0,4
3/4"	21	26,4	110	160	30	304.220.1	-	-	-	-	0,5
1"	26,5	33,1	120	200	30	304.226.1	-	-	-	-	0,7
1.1/4"	35,1	41,8	135	240	15	304.235.1	-	-	-	-	1,1
1.1/2"	40,3	47,8	200	290	15	304.240.1	-	-	-	-	1,5
2"	51,6	59,9	275	380	15	304.250.1*	-	-	-	-	2

* Size 2" only HL1 for R22 (interior equipment) and HL1/HL2 for R23 (exterior equipment).

The fittings for Sealtite are outlined in chapter 5 Sealtite Fittings

SEALTITE	1/4"	5/16"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"
ISO	M10 - M12	M16 - M20	M16 - M20	M20	M25	M32	M40	M50 - M63	M50 - M63	M75	M90	-
Pg	7	9 - 11	11 - 13,5	16	21	29	36	42	48	-	-	-
NPT	-	-	1/2"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	2.1/2"	3"	4"