

SPECIALTY

# LOW SMOKE ZERO HALOGEN



- ▶ Very low smoke generation for better visibility
- ▶ No halogens, safer to use in confined spaces
- ▶ 110 PSI maximum installation pressure
- ▶ Compatible with standard couplers and accessories

**INSTALLATIONS**

Confined Spaces  
Interior

**SIZE RANGE**

1"  
1 1/4"  
1 1/2"

**WALL TYPES**

SCH 40  
SCH 80  
SDR 11  
SDR 13.5

**STANDARD COLORS**

Chalky White

FEATURES

**STANDARD**

**MATERIAL LSZH:** Low Smoke Zero Halogen. No Halogens make it safer to use in confined spaces

**SPECIFICATIONS** ETL verified to UL1685-4, IEC 60754-1. Meets IEEE-1202 and NFPA-130 requirements.

**CONDUIT MARKINGS** Permanent marking along conduit includes: material, relevant standards, production info, and sequential feet or meter markings. Custom options available.

## LOW SMOKE ZERO HALOGEN TECHNICAL SPECIFICATIONS

	WALL TYPE	NOMINAL OD (IN)	OD TOLERANCE +/-	MIN WALL (IN)	WALL TOLERANCE +	AVG ID (IN)	MIN ID (IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (IN)	BEND RADIUS UNSUP* (IN)	SWPS (LB)
1"	SCH 40	1.315	0.005	0.133	0.020	1.029	1.000	0.226	13	26	987
	SCH 80	1.315	0.005	0.179	0.022	0.935	0.910	0.287	13	26	1,259
	SDR 11	1.315	0.005	0.120	0.020	1.055	1.030	0.208	13	26	907
	SDR 13.5	1.315	0.005	0.097	0.020	1.101	1.080	0.174	13	26	761
1 1/4"	SCH 40	1.660	0.005	0.140	0.020	1.360	1.340	0.305	17	34	1,334
	SCH 80	1.660	0.005	0.191	0.024	1.254	1.230	0.398	17	34	1,742
	SDR 11	1.660	0.005	0.151	0.020	1.338	1.310	0.325	17	34	1,422
	SDR 13.5	1.660	0.005	0.123	0.020	1.394	1.370	0.274	17	34	1,196
1 1/2"	SCH 40	1.900	0.006	0.145	0.020	1.590	1.560	0.364	19	38	1,593

### LSZH NOTES

- Bend Radius  
1" through 1 1/4" Supported Bend Radius 10 times the OD Unsupported Bend Radius 20 times the OD
- During cable placement, large sweeping bends are recommended over tighter bends.  
Pre-formed sweeps are recommended for conduit sizes 8" through 16" diameters.
- SWPS (Safe Working Pull Strength) is calculated using a 25% safety factor with the minimum resin tensile strength of 3,000 psi, the average OD and average wall thickness.
- Internal or external ribs are in addition to the average wall and for determining OD and ID dimensions.  
The average rib height to be added is 0.020".
- Add 0.016 #/ft for ribbed products 1 1/2" and less.