

TYPE ZHLA



Non-halogen, low smoke, low flame spread make Type ZHLA a proven choice for applications where limiting toxic materials of combustion is an important issue. Since ZHLA is also UL listed, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.

CONSTRUCTION:

Type ZHLA has a flexible inner core made from a spiral-wound strip of heavy-gauge, hot-dipped galvanized steel. The 3/8 through 1-1/4 inch trade sizes contain an integral bonding strip of copper. The 1-1/2 inch and larger are designed with a fully interlocked strip.

The specially formulated thermoplastic black polyurethane jacket has excellent flame resistance and low smoke and toxicity generation characteristics. It is also resistant to ozone, hydrocarbons, moderate chemicals, oils and fuels.

APPLICATION:

There are many situations and areas where PVC is not allowed for electrical construction. The jacketing material used for ZHLA virtually eliminates the release of acidic gases found in PVC products.

- Meets the requirements of Bombardier SMP 800-C for Toxic Gas Generation.
- Meets the requirements of both ASTM E162 for Flame Spread and ASTM E662 for Smoke Generation.

This conduit is intended for installation in accordance with Article 350 of the NEC (ANSI/NFPA-70):

- Permitted for use in exposed or concealed locations.



- Installations under raised floors in data processing areas. Article 645.5(E)(2).
- Listed and marked for direct burial and in poured concrete.
- For containment of 600 volts and lower potential circuits.
- Sunlight-resistant.
- Suitable as a grounding conductor when used for circuits rated up to 20A for the 3/8 and 1/2 inch trade sizes and 60A for the 3/4 through 1-1/4 inch trade sizes in lengths six feet or less per Article 250.118(6).

- Installations in hazardous (classified) locations:
 - Class I Div. 2: Article 501.10(B)(2) & 501.30(B)
 - Class II Div. 1: Article 502.10(A)(2) & 502.30(B) Div 2: 502.10(B)(2)
 - Class III Div. 1: Article 503.10(A)(2) & 503.30(B) Div 2: 503.10(A)(2)
- Elevators and hoistways. Article 620.21.
- Meets the same specifications as Type LA on Page 7.

Listed File #E29278. Conforms to Underwriters Laboratories Standard ANSI/UL-360 for Liquidtight Flexible Steel Conduit.

RoHS and WEEE Compliant.

STANDARD COLORS: Black. Other colors available upon request.

WORKING TEMPERATURES:
-40°C to 80°C Air/60°C Wet/70°C Oil

METAL USED: Steel

PLASTIC USED: PU

See the Chemical Resistance Guide on our website.

Combustion and Flammability Properties:
See chart on page 17.



Trade Size (In.)	Type	Inside Bend Radius (In.)	Wt. (Lbs.)/ 100 Ft.	Carton Footage		Reel Footage			
				Length	Part #	Length	Part #	Length	Part #
3/8	ZHLA-10	2.0	29	100	88101	500	88103	1000	88104
1/2	ZHLA-11	3.0	32	100	88111	500	88113	1000	88114
3/4	ZHLA-12	4.2	53	100	88121	500	88124	1000	88125
1	ZHLA-13	5.5	82	100	88132	400	88134	-	-
1-1/4	ZHLA-14	7.0	102	50	88142	200	88144	-	-
1-1/2	ZHLA-15	4.5	124	50	88152	150	88154	-	-
2	ZHLA-16	6.0	145	50	88162	100	88164	-	-
2-1/2	ZHLA-17	8.0	192	25	88172	-	-	-	-
3	ZHLA-18	10.0	252	25	88182	-	-	-	-
3-1/2	ZHLA-350	11.0	308	25	88187	-	-	-	-
4	ZHLA-19	12.0	350	25	88192	-	-	-	-

See page 37 for dimensions.