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WERNER

ELECTRIC SUPPLY

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Rail & Transit | Electri-Flex offers *Halogen-Free* Liguatite® flexible conduit solutions ideal for Rail & Transit applications. Types ZHLA and ZHSS are Buy America Compliant, and ZHLA, ZHSS, and CEA are Buy American. For a copy of the Buy America or ARRA Certification Letters, contact Electri-Flex, or download on the website product pages.

The Halogen-Free polyurethane jacketing means: low flame spread, low smoke, self-extinguishing, and NO halogens.

ALL PRODUCTS PROUDLY



Applications/Solutions:

- Subways/tunnels
- Bridges
- Highways
- Ventilation connections
- Electrical road signage
- Railcar construction
- Raceway installations
- Confined public spaces
- Lighting whips
- Corrosion-resistant
- UV resistant
- Rodent protection

Combustion & Flammability Chart	Test	Value
Vertical Burn (Material)	UL94	V-0 Rating; No Flaming Drips
Vertical Burn (Conduit)	UL360	Pass; No Flaming Drips
Oxygen Index %	D2863	28.5
Flame Spread Index	ASTM E162	25; No Flaming Drips
Smoke Generation (Flaming)	ASTM E662 (NFPA 258)	Ds 41@1.5 Min/Ds 113@4.0 Min
Smoke Generation (Non-Flaming)	ASTM E662 (NFPA 258)	Ds 4@1.5 Min/Ds 19@4.0Min
Toxic Gas Generation	Bombardier SMP 800-C	Pass
Toxicity Index	NES 713	3.9

Test data is based on controlled laboratory conditions and does not necessarily reflect performance in actual fire conditions. Additional product information available upon request.

TYPE ZHLA <i>UL Listed Halogen-Free</i>	Description:	Features & Benefits:
<p>Working Temperatures: UL: -40°C to 80°C Air/60°C Wet/70°C Oil CSA: -40°C to 60°C Dry/60°C Oil</p>	<p>A UL Listed, CSA Certified “Heavy-Duty”, halogen-free flexible liquidtight steel conduit and a proven choice for applications where limiting toxic materials of combustion are an important issue, such as in confined, public areas (ie. subways, tunnels, etc). Also used in railcar construction.</p>	<ul style="list-style-type: none"> • Core: hot-dipped galvanized steel • Jacket: Zero-Halogen Polyurethane • Resistant to ozone, hydrocarbons, and chemicals & oils. • Flame Retardant & Sunlight (UV) Resistant • Marked HD for “Heavy-Duty” • Free of halogens, low smoke, low toxicity • Available in sizes 3/8” through 4”
TYPE ZHSS <i>Stainless Steel Halogen-Free</i>	Description:	Features & Benefits:
<p>Working Temperatures: -40°C to 80°C</p>	<p>A non-UL, halogen-free flexible liquidtight stainless steel conduit that is designed for applications where safety concerns exist regarding a material’s fire situation. The stainless steel core provides excellent corrosion-resistance and additional durability and strength, that also serves as rodent protection.</p>	<ul style="list-style-type: none"> • Core: corrosion-resistant continuous strip of 316L Stainless Steel • Jacket: Zero-Halogen Polyurethane • Resistant to ozone, hydrocarbons, and moderate chemicals & oils. • Flame Retardant & Sunlight (UV) Resistant • Free of halogens, low smoke, low toxicity • Available in sizes 3/8” through 4”
TYPE CEA <i>non-UL Halogen-Free</i>	Description:	Features & Benefits:
<p>Working Temperatures: -40°C to 80°C</p>	<p>A non-UL, halogen-free flexible liquidtight steel conduit designed for applications where safety concerns exist regarding a material’s fire situation. Often used in railcar construction.</p>	<ul style="list-style-type: none"> • Core: corrosion-resistant Plated Steel • Jacket: Zero-Halogen Polyurethane • Resistant to ozone, hydrocarbons, and moderate chemicals & oils. • Flame Retardant & Sunlight (UV) Resistant • Free of halogens, low smoke, low toxicity • Available in sizes 3/8” through 6”