

Type ZHSS

Part of the **Stainless Steel** and **Zero-Halogen** product families.

This non-UL liquidtight stainless steel flexible conduit is designed for applications where safety concerns exist regarding a material's reaction in a fire situation. It offers excellent resistance to corrosion.



All Products Proudly Made in the USA

Construction:

Inner Core:

- Corrosion-resistant continuous strip of 316L Stainless Steel.
- Also available in 304L Stainless Steel, special order only. Minimum order quantities may apply.
- Also available without a jacket, **Type SSL**.

Liquidtight Jacket:

- Zero Halogen Polyurethane
- Resistant to Ozone, Hydrocarbons, Moderate **Chemicals and Oils**
- Flame Retardant
- Low Smoke
- Low Toxicity
- Sunlight Resistant (UV)

Application:

- Corrosive Environments
- 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.
- Industrial Environments
- Wet and Oily Locations
- Compatible with standard liquidtight connectors

Combustion & Flammability Properties

COMBUSTION & FLAMMABILITY

Vertical Burn (Material)

Vertical Burn (Conduit)

Oxygen Index %

Flame Spread Index

Smoke Generation (Flaming)

Smoke Generation (Non-Flaming)

Toxic Gas Generation

Toxicity Index

TEST

UL94

UL360

D2863

ASTM E162

ASTM E662 (NFPA 258)

ASTM E662 (NFPA 258)

BOMBARDIER SMP 800-C

NES 713

VALUE

V-0 Rating; No Flaming Drips

Pass; No Flaming Drips

28.5

25; No Flaming Drips

Ds 41@1.5 Min/Ds 113@4.0 Min

Ds 4@1.5 Min/Ds 19@4.0 Min

Pass

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.

Markets:

Aerospace, Defense, Machine Tools (OEM), Mining, Oil & Gas Refineries, Power Plants, Rail & Transit, Ship Building, Steel Mills, Utilities, Wastewater Treatment

Product Information

CERTIFICATIONS & COMPLIANCE

Manufactured to UL 360
Dimensions



WEEE and RoHS Compliant



BS EN IEC 61386 Classification
Code 445240650314 **CE**

Declaration

ARRA: For ARRA Certification Letter, please [click here](#)

Buy America: For Buy America Certification Letter, please [click here](#).

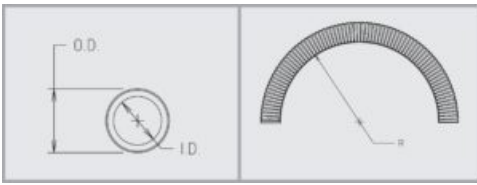
STANDARD COLORS

Black. **Other colors available upon request.**

WORKING TEMPERATURES

-40°C to 80°C

-40°F to 176°F



Product Table

	US Trade Size	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	3"	4"
	ISO (MM)	16	20	25	32	40	50	63	80	100
	CSA (MM)	12	16	21	27	35	41	53	78	103
	Type	ZHSS-10	ZHSS-11	ZHSS-12	ZHSS-13	ZHSS-14	ZHSS-15	ZHSS-16	ZHSS-18	ZHSS-19
Internal Diameter	Min (IN.)	0.484	0.622	0.820	1.041	1.380	1.575	2.020	3.070	4.000
	Max (IN.)	0.504	0.642	0.840	1.066	1.410	1.600	2.045	3.100	4.040
Outer Diameter	Min (IN.)	0.690	0.820	1.030	1.290	1.630	1.865	2.340	3.460	4.460
	Max (IN.)	0.710	0.840	1.050	1.315	1.660	1.900	2.375	3.500	4.500
Inside Bend Radius	Static (IN.)	2.0	3.0	4.2	5.5	7.0	4.5	6.0	10.0	12.0
Weight	Lbs. per 100 Ft	23	28	38	62	79	103	119	295	410
	Coil (Ft.)	100	100	100	100	50	50	50	25	25
Standard Length	Part #									
	Reel (Ft.)	500	500	500	400	200	150	100	175	100
	Part #									
	Reel (Ft.)	1000	1000	1000						
	Part #									

related products



Type LTSS

A flexible non-UL, oil-resistant, liquidtight stainless steel conduit designed for a variety of installations requiring motion, vibration and bending. It offers excellent resistance to corrosion.

[see product detail »](#)



Type LSSFG

A non-UL liquidtight stainless steel flexible conduit that is now antimicrobial, and is designed for a variety of installations requiring motion, vibration, and bending on food processing equipment. It offers excellent resistance to corrosion.

[see product detail »](#)



Type ZHLA

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

[see product detail »](#)



Type CEA

This non-UL liquidtight flexible steel conduit is designed for applications where safety concerns exist regarding a material's reaction in a fire situation

[see product detail »](#)