

Type ZHSS

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.

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

Product Information

CERTIFICATIONS & COMPLIANCE

Manufactured to UL 360
Dimensions

 **WEEE and RoHS Compliant**

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

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

STANDARD COLORS

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

WORKING TEMPERATURES

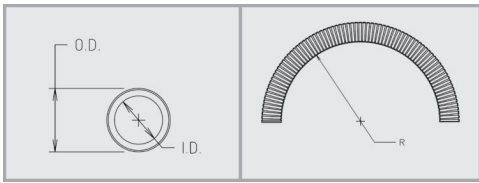
-40°C to 80°C

COMBUSTION & FLAMMABILITY	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@4.0 Min
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.

Markets:

Defense, Healthcare, Mining, Oil & Gas Refineries, Power Plants, Ship Building, Steel Mills, Wastewater Treatment



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 (MM)	12.29	15.80	20.83	26.44	35.05	40.01	51.31	77.98	101.60
	Max (MM)	12.80	16.31	21.34	27.08	35.81	40.64	51.94	78.74	102.62
Outside Diameter	Min (MM)	17.53	20.83	26.16	32.77	41.40	47.37	59.44	87.88	113.28
	Max (MM)	18.03	21.34	26.67	33.40	42.16	48.26	60.33	88.90	114.30
Inside Bend Radius	Static (MM)	51	76	107	140	178	114	152	254	305
Weight	(Kgs) per 30 meters	10	13	17	28	36	47	54	134	186
Standard Length	Coil (Mtrs)	30	30	30	30	15	15	15	8	8
	Part #									
	Reel (Mtrs)	150	150	150	120	60	45	30	53	30
	Part #									
	Reel (Mtrs)	300	300	300						
	Part #									

related products



Type LTSS

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

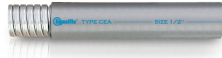
[see product detail »](#)



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, 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 »](#)