

# Type CSA

This flexible liquidtight steel conduit is certified by the Canadian Standards Association for "Heavy-Duty" applications. Its design and function is similar to that of type LA, except that it cannot be used as a ground return path per the Canadian code.



All Products Proudly Made in the USA

## Construction:

### Inner Core:

- Hot Dipped Galvanized Steel
- 3/8" – 1-1/4" Squarelock Profile with continuous cord packing
- 1-1/2" – 4" Fully Interlocked Profile

### Liquidtight Jacket:

- Flexible PVC
- Resistant to **Oils and Mild Acids**
- FT-4 Flame Retardant
- Sunlight Resistant (UV)
- Marked HD for "Heavy-Duty"

## APPLICATION:

This conduit is intended for use according to the Canadian Electrical Code (CEC CSA 22.1-18) as described in clause 12-1300 for dry, damp or wet locations.

- Conforms to CSA C22.2 No. 56-17 Annex A "Heavy Duty"

Hazardous Locations areas where flexibility is necessary:

- Class I Div 2: CSA 22.1 J18-152 (1) (i)
- Class II Div 1: CSA 22.1 J18-204 (4) (b)
- Class II Div 2: CSA 22.1 J18-254 (1) (h)
- Class III Div 1: CSA 22.1 J18-304 (1) (f)
- Class III Div 2: CSA 22.1 J18-354 (h)

- Zone 2: CSA 22.1 18-152 (1) (h)

## Product Information

### CERTIFICATIONS & COMPLIANCE



Certified File #LL18858. Conforms to CSA Standard C22.2 No 56-17. Conforms to Annex A "Heavy-Duty" in sizes 1/2" or larger. Flame Test Rating FT-4 per CSA Standard C22.2 No 0.3.



**WEEE and RoHS Compliant**



BS EN IEC 61386 Classification Code 445240650414 **CE Declaration**

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



BABA Compliant

### STANDARD COLORS

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

### WORKING TEMPERATURES

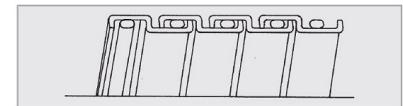
-40°C to 75°C

-40°C to 167°C

- Zone 20: CSA 22.1 18-192 (3) (a)
- Zone 21: CSA 22.1 18-202 (4) (a)
- Zone 22: CSA 22.1 18-252 (1) (h)

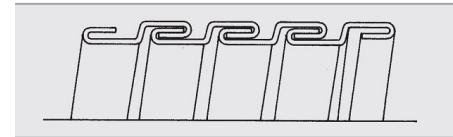
## Markets:

Mining, Oil & Gas Refineries, Power Plants, Steel Mills, Utilities

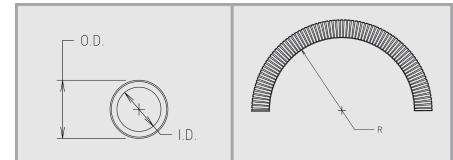


**Squarelock with Filler Sizes:**

**3/8" - 1-1/4"**



**Interlock Sizes: 1-1/2" - 4"**



## Product Table

	US Trade Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
ISO (MM)	16	20	25	32	40	50	63	70	80	100	
CSA (MM)	12	16	21	27	35	41	53	63	78	103	
Type	CSA-10	CSA-11	CSA-12	CSA-13	CSA-14	CSA-15	CSA-16	CSA-17	CSA-18	CSA-19	
Internal Diameter	Min (MM)	12.3	15.8	20.8	26.4	35.1	40.0	51.3	63.0	78.0	101.6
	Max (MM)	12.8	16.3	21.3	27.1	35.8	40.6	51.9	63.6	78.7	102.6
Outside Diameter	Min (MM)	17.5	20.8	26.2	32.8	41.4	47.4	59.4	72.1	87.9	113.3
	Max (MM)	18.0	21.3	26.7	33.4	42.2	48.3	60.3	73.0	88.9	114.3
Inside Bend Radius	Static (MM)	51.0	83.0	108.0	165.0	203.0	229.0	279.0	375.0	445.0	610.0
	Dynamic (MM)	102	127	152	305	381	432	559	762	915	1321
Weight	(Kgs) per 30 meters	13.2	14.5	24.0	37.2	46.3	56.2	65.8	87.1	114.3	158.8
Standard Length	Carton (Mtrs)	30.0	30.0	30.0	30.0	15.0	15.0	15.0	8.0	8.0	8.0
	Part # (Black)	70101	71101	72101	73102	74102	75102	76102	77102	78102	79102
	Reel (Mtrs)	150.0	150.0	150.0	120.0	60.0	45.0	30.0			
	Part # (Black)	70103	71103	72104	73104	74104	75104	76104			
	Reel (Mtrs)	300.0	300.0	300.0							
	Part # (Black)	70104	71104	72110							

### related products



## Type ATLA

A liquidtight flexible steel conduit designed specifically for extreme hot or cold environments. The flexible inner core is identical to that found in Type LA. The specially formulated PVC jacket remains flexible at low temperatures and resists aging at elevated temperatures. It is listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association

[see product detail »](#)



## Type LA

A flexible steel conduit which is both listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications. It offers outstanding protection against wet, oily conditions and is permitted for use in exposed or concealed locations.

[see product detail »](#)



## Type CBLA

Computer Blue LA (CBLA) is a liquidtight flexible steel conduit commonly used for computer room installations. The blue jacket color easily identifies circuitry for computer power wiring. It is listed by Underwriters Laboratories Inc. and certified by Canadian Standards Association for "Heavy-Duty" applications.

[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, it is ideal for field installation in confined, public areas such as subways, tunnels, etc.

[see product detail »](#)

