

# Titan<sup>®</sup>2

## Type CB Liquidtight Flexible Metal Conduit



Computer Blue Liquidtight Flexible Metal Conduit. Easy to Identify Blue Jacket for Computer Applications. UL/CSA Listed. Oil-Resistant. Sunlight-Resistant. Temperature Rated -55°C to 80°C.

### APPLICATIONS

Titan<sup>®</sup>2 Type CB Liquidtight Flexible Metal Conduit is suitable for the following installations:

- Under raised floors in data processing areas per NEC 645.5(D) & 645.5(D)(2)
- For the installation and protection of electrical conductors in circuits of 600 Volts nominal, or less
- Where the conditions of installation, operation, or maintenance require flexibility or protection from liquids, vapors, solids, or weather
- Used in industrial and commercial applications for conveyors, blowers, cranes, air conditioners, machine tooling and lubrication equipment
- Applications requiring movement, crossover connections, or tight bends
- Exposed or concealed locations
- For flexible connections to swimming pool, spa, and hot tub motors per NEC 680.21(A)(3) & 680.42(A)(1)
- Electric signs and outline lighting supply and secondary-circuit per NEC 600.31 (1000 Volts or less) & NEC 600.32 (over 1000 Volts)
- Permitted for equipment grounding in sizes 3/8" through 1-1/4" in lengths not exceeding 6 feet per NEC 250.118(6)
- Floating building feeders and services per NEC 553.7(B)
- Boatyards & Marinas in accordance with NEC 555.13
- Cranes & Hoists in accordance with NEC 610.11(C)
- For Elevator, Dumbwaiters, Escalators, Moving Walks, Wheel Chair Lifts & Stairway Chair Lifts in accordance with NEC 620.21 (where expressly permitted)
- Service entrance in lengths up to six feet per NEC 230.43(15)
- In Hazardous Locations - where necessary for flexible connections within hazardous locations in accordance with the following:
  - Class I, Div. 2 - NEC 501.10(B)(2) & 501.30(B)
  - Class II, Div. 1 - NEC 502.10(A)(2) & 502.30(B)
  - Class II, Div. 2 - NEC 502.10(B)(2)
  - Class III, Div. 1 - NEC 503.10(A)(2) & 503.30(B)
  - Class III, Div. 2 - NEC 503.10(A)(2)



### STANDARDS & REFERENCES

Titan<sup>®</sup>2 Type CB Liquidtight Flexible Metal Conduit meets or exceeds the following requirements:

- NFPA 70 (National Electrical Code), Article 350 - Liquidtight Flexible Metal Conduit
- UL Listed to Underwriters Laboratories Standard ANSI / UL-360 for Liquidtight Flexible Steel Conduit
- CSA Listed to CSA 22.2 No.56 for use per the Canadian Electrical Code C22.1 Section 12-1300
- REACH/RoHS-2 (Chemical Limit) Compliant

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# CONSTRUCTION

Titan®2 Type CB is manufactured with a spiral wound strip of heavy gauge, corrosion-resistant, hot-dipped galvanized steel. For 3/8" through 1-1/4" trade sizes, the core is constructed with a square locked steel strip with an integral copper-bonding strip enclosed within the steel convolutions. For 1-1/2" through 4" trade sizes, the core is constructed with a fully interlocked steel strip. A rugged, flame retardant, flexible PVC jacket is extruded over the steel core. The blue jacket resists oils, mild acids and exposure to sunlight. Other jacket colors are available.

TRADE SIZE (INCHES)	STOCK NUMBER			DIAMETER (INCHES)		WEIGHT (LBS/100')	APPROX. BEND DIAMETER (INCHES)
				INNER (MIN/MAX)	OUTER (MIN/MAX)		
3/8	55-29-07-01 (100')	55-29-07-02 (600')		.484/.504	.69/.71	23	4
1/2	55-09-34-03 (100')	55-09-34-04 (500')	55-09-34-02 (1000')	.622/.642	.82/.84	30	6.5
3/4	55-09-35-05 (100')	55-09-35-04 (500')	55-09-35-02 (1000')	.82/.84	1.03/1.05	38	8.5
1	55-09-36-03 (100')	55-09-36-04 (400')		1.041/1.066	1.29/1.315	60	13
1-1/4	55-28-09-03 (50')	55-28-09-01 (250')		1.38/1.41	1.63/1.66	80	16
1-1/2	55-28-11-03 (50')	55-28-11-01 (150)		1.575/1.6	1.865/1.99	113	18
2	55-28-12-03 (50')	55-28-12-01 (100')		2.02/2.045	2.34/2.375	149	22.25
2-1/2	55-28-13-03 (25')	55-28-13-01 (100')		2.48/2.505	2.84/2.875	188	29.25
3	55-16-99-03 (25')			3.07/3.1	3.46/3.5	235	35
3-1/2	55-28-54-03 (25')			3.5/3.54	3.96/4	301	40
4	55-28-55-03 (25')			4/4.04	4.46/4.5	310	48

Minimum bend radius based on NEC Chapter 9, Table 2 (other bends) per Article 350

## Features

- Blue color easily identifies raceways for uninterrupted computer power circuits
- A protective thermoplastic outer jacket which seals out water, liquids, abrasives, alcohol, coolants, corrosive fumes and gases, dirt, grease, mineral acids, non-concentrated fixed alkalines, petroleum oils, salt air and spray, and weather
- Smooth metal interior for easy wiring pulling
- UV sunlight resistant jacket
- Rated for temperature range of -55°C to 80°C , 60°C Oil (-22°F to +176°F, 140°F Oil)
- Accepts standard metallic liquid-tight fittings
- Rated for direct burial applications

## ONLINE CERTIFICATIONS & TOOLS

- UL Online Certifications Directory ( [www.ul.com](http://www.ul.com) )
- UL Guide Information - Flexible Metal Conduit, Liquid-tight (DXHR)
- CSA Online Certifications Directory ( [www.csa.ca](http://www.csa.ca) )
- CSA Product Information - Conduit-Flexible Metal, Liquid-Tight Conduit (1812-03)

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