Titan2™ 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.

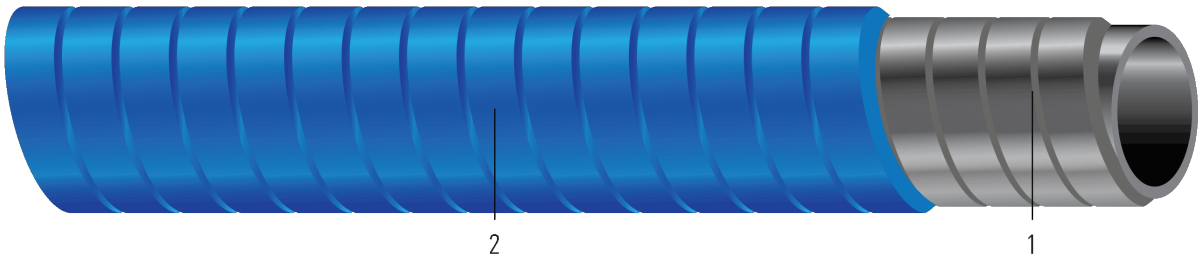

Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Armor:** Titan2™ 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.
2. **Jacket:** 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.

APPLICATIONS AND FEATURES:

Titan2™ 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)
- 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)

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- 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)

Titan2™ 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

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

SPECIFICATIONS:

- UL 360 Liquidtight Flexible Steel Conduit
- CSA 22.2 No. 56 Flexible metal conduit and liquid-tight flexible metal conduit
- NFPA 70 (National Electrical Code), Article 350 - Liquidtight Flexible Metal Conduit

SAMPLE PRINT LEGEND:

{SQFTG_DUAL} {SOUTHWIRE} X" {TITAN2_TM} TYPE CB, {UL} -55{D}C TO 80{D}C DRY, 60{D}C WET, 60{D}C OIL RES, DIR BUR SUNLIGHT RESISTANT --- {CSA} LIQUID-TIGHT CONDUIT 75{D}C, FT1 USE SEPARATE GROUNDING CONDUCTOR ON CIRCUITS RATED OVER 60 A

Titan2™ - Type CB Liquidtight Flexible Metal Conduit

Trade Size	Inner Diam (Min/Max)	Outer Diam (Min/Max)	Weight	Minimum Bend Radius
Inch	Inch	Inch	Lb/100ft	Inch
3/8	0.484/0.504	0.690/0.710	23	3*
1/2	0.622/0.642	0.820/0.840	30	4
3/4	0.820/0.840	1.030/1.050	38	5
1	1.041/1.066	1.290/1.315	60	8
1-1/4	1.380/1.410	1.630/1.660	80	10
1-1/2	1.575/1.600	1.865/1.900	113	12
2	2.020/2.045	2.340/2.375	149	16
2-1/2	2.480/2.505	2.840/2.875	188	20
3	3.070/3.100	3.460/3.500	235	24
3-1/2	3.500/3.540	3.960/4.000	301	28
4	4.000/4.040	4.460/4.500	310	32

* Suggestion only. Non-NEC requirement

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Put Ups

TRADE SIZE (Inch)	25 ft	50 ft	100 ft	150 ft	250 ft	400 ft	500 ft	600 ft	1000 ft
3/8			55290701					55290702	
1/2			55093403				55093404		55093402
3/4			55093505				55093504		55093502
1			55093603			55093604			
1-1/4		55280903			55280901				
1-1/2		55281103		55281101					
2		55281203	55281201						
2-1/2	55281303		55281301						
3	55169903								
3-1/2	55285403								
4	55285503								

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