

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.

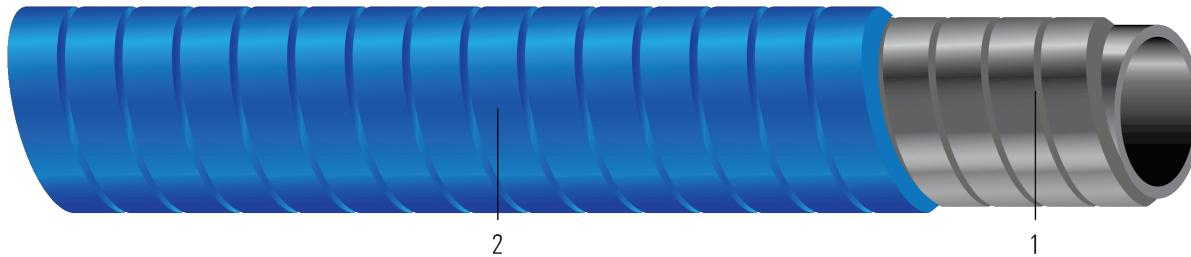


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

- 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.
- 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)





- 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 | 1.865/1.990 | 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

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 | | | | | | | | |

