

Ultratite® - Type NM

(Liquidtight Flexible Nonmetallic Conduit)

Liquidtight Flexible Nonmetallic Conduit. UL/CSA Listed.
Oil-Resistant. Sunlight-Resistant. Crush-Resistant.
Temperature Rated -30°C to 80°C.



APPLICATIONS

Ultratite® Liquidtight Flexible Nonmetallic Conduit is suitable for the following installations:

- For the installation and protection of electrical conductors in circuits of 600 volts nominal, or less
- Motor circuits - for conductors of motor feeders, branch and control circuits
- Where the conditions of installation, operation, or maintenance require flexibility or protection from liquids, vapors, solids, or weather
- Agricultural buildings per NEC® 547.5
- Used in industrial and commercial applications for conveyors, blowers, cranes, air conditioners, machine tooling and lubrication equipment
- Exposed or concealed installations
- Applications requiring movement, crossover connections, or tight bends
- For direct burial and encased in concrete
- For flexible connections to swimming pool, spa, and hot tub motors per 2011 NEC® 680.21(A)(3) & 680.42(A)(1)
- Electric signs and outline lighting supply and secondary-circuit conductors per 2011 NEC® 600.7, 600.31 (1000 volts or less) & 600.32 (over 1000 volts)
- Hazardous locations - see Additional Applications Section on the following page for more details

STANDARDS & REFERENCES

- NEC® Type designation - Type LFNC-B (Liquidtight Flexible Nonmetallic Conduit)
- ANSI / NFPA-70, NEC® Article 356
- UL Listed to Underwriters Laboratories Standard UL 1660
- Approved by Canadian Standards Association

CONSTRUCTION

Ultratite® Type NM is manufactured with a spiral of rigid PVC reinforcement imbedded within a flexible PVC wall. The construction provides excellent impact and crush strength while remaining highly flexible. The conduit resists oils, mild acids and exposure to sunlight.



Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA



greenSpec™
RoHS Compliant

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Trade Size (Inches)	Approximate Weight (lbs/100 ft)	Inner Diameter Min./Max. (inches)	Outer Diameter Min./Max. (inches)	Approx. Bend Radius* (Inches)	Standard Coil Length (feet)	Standard Reel Length (feet)
3/8	10.5	0.484 / 0.504	0.690 / 0.710	4	100	600
1/2	13	0.622 / 0.642	0.820 / 0.840	4	100	1000
3/4	18	0.820 / 0.840	1.030 / 1.050	5	100	1000
1	27	1.041 / 1.066	1.290 / 1.315	6	100	400
1-1/4	34	1.380 / 1.410	1.630 / 1.660	8	50	250
1-1/2	45	1.575 / 1.600	1.865 / 1.900	10	50	150
2	64	2.020 / 2.045	2.340 / 2.375	12	50	100

* Minimum bend radius based on NEC Chapter 9, Table 2 (other bends) per Article 356.

FEATURES

- A protective combination of thermoplastic materials formed into a conduit/raceway 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 interior for easy wire pulling
- UV sunlight resistant jacket
- Rated for temperature range of -30°C to 80°C , 60°C Oil (-22 to +176, 140°F Oil)
- Accepts standard liquid-tight fittings for use with LFNC-B

ADDITIONAL APPLICATIONS

- 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)
 - Class II, Div. 1 - NEC® 502.10(A)(2)
 - Class II, Div. 2 - NEC® 502.10(B)(2)
 - Class III, Div. 1 - NEC® 503.10(A)(2)
 - Class III, Div. 2 - NEC® 503.10(B)
- Floating building feeders and services per NEC® 553.7
- 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)
- Under raised floors in information technology equipment conductors and cables in accordance with NEC® 645.5 (D) & 645.5(D)(2)
- Service entrance in lengths up to six feet per NEC® 230.43(15)
- For containment of 600 Volt and lower potential circuits
- Approved for use in lengths longer than 6 feet per NEC® 356.10(5)
- Motor leads per NEC® 430.145(B)

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ONLINE CERTIFICATIONS AND TOOLS

- [UL Online Certifications Directory \(www.ul.com \)](http://www.ul.com)
- [CSA Online Certifications Directory \(www.csa.ca \)](http://www.csa.ca)
- [UL Guide Information - Flexible Non-Metallic Conduit, Liquid-tight \(DXOQ\)](#)
- [CSA Product Information - Conduit-Flexible Nonmetallic, Liquid-Tight Conduit \(1813-01\)](#)

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