

ULTRATITE® TYPE NM

LIQUIDTIGHT FLEXIBLE NON-METALLIC CONDUIT



**Liquidtight Flexible
Non-Metallic Conduit**

UL/CSA Listed

Oil-Resistant

Sunlight-Resistant

Crush-Resistant

**Temperature Rated
-30°C to +80°C**

APPLICATIONS **Suitable for use as follows:**

- 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 NEC® 680.21(A)(3) & 680.42(A)(1)
- Electric signs and outline lighting supply and secondary-circuit conductors per 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 Non-Metallic 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.

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°F to +176°F, 140°F Oil)
- Accepts standard Liquidtight fittings for use with LFNC-B





HVAC

WEIGHTS, MEASUREMENTS, AND PACKAGING

TRADE SIZE (inch)	APPROX. WEIGHT (lbs/100 ft)	INNER DIAMETER MIN./MAX. (inch)	OUTER DIAMETER MIN./MAX. (inch)	MINIMUM BENDING RADIUS (inch)	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

ADDITIONAL APPLICATIONS

- Hazardous Locations - where necessary for flexible connections within hazardous locations per the following:
 - Class 1, Div. 2 - 2005 NEC® 501.10(B)(2)
 - Class 2, Div. 1 - 2005 NEC® 502.10(A)(2)
 - Class 2, Div. 2 - 2005 NEC® 502.10(B)(2)
 - Class 3, Div. 1 - 2005 NEC® 503.10(A)(2)
 - Class 3, Div. 2 - 2005 NEC® 503.10(B)
- Floating building feeders and services per NEC® 553.7
- Boatyards and Marinas in accordance with NEC® 555.13
- Cranes and Hoists in accordance with NEC® 610.11(C)
- For Elevator, Dumbwaiters, Escalators, Moving Walks, Wheel Chair Lifts and 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 6 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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