



Ultratite® Type NM

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

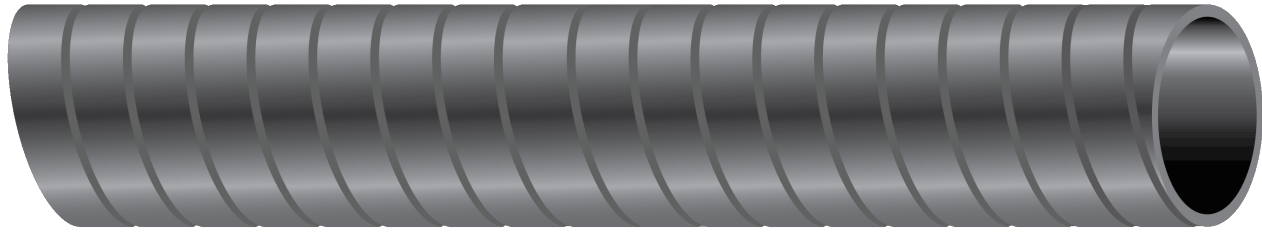


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **PVC:** Ultratite® Type NM is manufactured with 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.

APPLICATIONS AND FEATURES:

Ultratite® Type NM is suitable for the following installations:

- For the installation and protection of electrical conductors
- 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)
- 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)





- **Hazardous location:**
- 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)

Ultratite® Type NM 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

SPECIFICATIONS:

- UL 1660 Liquid-Tight Flexible Nonmetallic Conduit
- NFPA 70 (National Electrical Code), Article 356 - Liquidtight flexible nonmetallic conduit

Ultratite® Type NM

| Trade Size | Inner Diam (Min/Max) | Outer Diam (Min/Max) | Weight | Minimum Bend Radius |
|------------|----------------------|----------------------|-----------|---------------------|
| inch | inch | inch | lb/100 ft | inch |
| 3/8 | 0.484/0.504 | 0.690/0.710 | 11 | 3* |
| 1/2 | 0.622/0.642 | 0.820/0.840 | 13 | 4 |
| 3/4 | 0.820/0.840 | 1.030/1.050 | 18 | 5 |
| 1 | 1.041/1.066 | 1.290/1.315 | 26 | 6 |
| 1-1/4 | 1.380/1.410 | 1.630/1.660 | 31 | 8 |
| 1-1/2 | 1.575/1.600 | 1.865/1.900 | 45 | 10 |
| 2 | 2.020/2.045 | 2.340/2.375 | 62 | 12 |
| 2-1/2 | 2.480/2.505 | 2.840/2.875 | 197 | 15 |
| 3 | 3.070/3.100 | 3.460/3.500 | 265 | 18 |
| 3-1/2 | 3.500/3.540 | 3.960/4.000 | 300 | 21 |
| 4 | 4.000/4.040 | 4.460/4.500 | 310 | 24 |

* Suggestion only. Non-NEC requirement





Put Ups

| TRADE SIZE (Inch) | 25 ft | 50 ft | 100 ft | 150 ft | 250 ft | 300 ft | 400 ft | 500 ft | 600 ft | 1000 ft |
|----------------------|-------|----------|----------|----------|----------|--------|----------|--------|----------|----------|
| 3/8 | | | 55094101 | | | | | | 55094106 | |
| 1/2 | | | 58046201 | | | | | | | 55094202 |
| 3/4 | | | 58046301 | | | | | | | 55094303 |
| 1 | | | 55094401 | | | | 55094404 | | | |
| 1-1/4 | | 55094501 | | | 55094504 | | | | | |
| 1-1/2 | | 55094601 | | 55094604 | | | | | | |
| 2 | | 55094801 | 55094804 | | | | | | | |

