



## Ultratite® Type NM

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

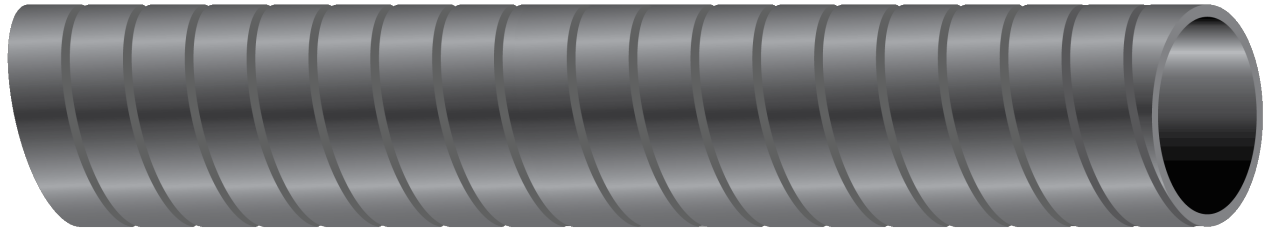


Image not to scale. See Table 1 for dimensions.

### 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 |          |          |        |          |        |          |          |

