

PRODUCT DESCRIPTION

ADP NMS is a PVC-jacketed Aerial Service Wire offered in 1, 2, 3, 5 or 6-pair. It is designed for use in extending telephone service to subscriber premises from the distribution cable or cable terminal. Major features include small size and light weight coupled with abrasion resistant jacket. Standard hardware and installation procedures are directly applicable to this product. The insulation of the tip conductor is marked with a stripe of the mating ring insulation color to reduce the possibility of splitting pairs during installation. A black, weather resistant, polyvinyl chloride jacket is extruded over the strength members and rip cord to protect the core from mechanical damage, degradation by sunlight and ingress of moisture. The jacket bonds to the strength members to provide the required strength characteristics.

FEATURES

- Non-metallic or fiberglass strength members
- Rip cord

BENEFITS

- Provide necessary longitudinal strength
- Facilitates jacket removal

**SPECIFICATIONS**

| | |
|-------------------------------|--|
| Conductor | Solid annealed copper |
| Insulation | Polyolefin |
| Core Assembly | Individual conductors are carefully twisted into pairs in a manner designed to minimize resistance unbalance |
| Strength Members | Non-metallic or fiberglass strength members placed in jacket parallel to core assembly |
| Rip cord | Placed parallel to the core |
| Jacket | Weather-resistant PVC |
| Performance Compliance | Telcordia® GR-3163-CORE RDUP PE 7 ANSI/ICEA S-89-648-2011 RoHS-compliant |
| NRTL Programs | UL® Listed |

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ELECTRICAL SPECIFICATIONS

| Number of Pairs | | | Average Mutual Capacitance @ 1,000 Hz nF/mile (nF/km) | | |
|----------------------------------|---|---|---|---|---|
| Maximum Pair | | | 94 (58) | | |
| Maximum Average | | | 90 (56) | | |
| Conductor Size AWG (mm) | Minimum Insulation Resistance @ 68°F (20°C) megohm-mile (megohm-km) | Maximum Average Attenuation 772 kHz @ 68°F (20°C) dB/kft (dB/km) | Maximum Conductor Resistance @ 68°F (20°C) Ohms/mile (Ohms/km) | DC Resistance Unbalance Maximum % Individual Pair | Conductor to Conductor Dielectric Strength Volts DC 3 secs, no breakdown |
| 22 (0.64) | 1,000 (1,600) | 5.1 (17) | 91 (56.5) | 5.0 | 4,000 |
| Crosstalk Loss dB/kft (dB/km) | | | Capacitance Unbalance @ 1,000 Hz pF @ 1 kft (pF @ 1 km) | | |
| Minimum NEXT @ 722 kHz | | | Maximum Individual Pair | | |
| 44 (144) | | | 80 (145) | | |

PART NUMBERS AND PHYSICAL CHARACTERISTICS

| Part Number | Pair Count | AWG (mm) | Dimensions | | Approx. Weight lbs/kft (kg/km) | Standard Length ft (m) | Package |
|-------------|------------|-----------|------------------|------------------|-----------------------------------|---------------------------|----------|
| | | | Minor in (mm) | Major in (mm) | | | |
| 12-031-08 | 1 | 22 (0.64) | 0.18 (4.8) | 0.36 (9.1) | 34 (51) | 750 (229) | POP™ box |
| 12-004-08 | 2 | 22 (0.64) | 0.18 (4.8) | 0.36 (9.1) | 39 (58) | 750 (229) | POP box |
| 12-010-08 | 2 | 22 (0.64) | 0.18 (4.8) | 0.36 (9.1) | 39 (58) | 1,000 (305) | Coil |
| 12-023-08 | 2 | 22 (0.64) | 0.18 (4.8) | 0.36 (9.1) | 39 (58) | 5,000 (1,524) | Reel |
| 12-019-08 | 3 | 22 (0.64) | 0.21 (5.3) | 0.39 (9.9) | 45 (67) | 600 (183) | POP box |
| 12-022-08 | 3 | 22 (0.64) | 0.21 (5.3) | 0.39 (9.9) | 45 (67) | 750 (229) | Coil |
| 12-519-08 | 5 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 76 (113) | 400 (122) | POP box |
| 12-024-08 | 5 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 76 (113) | 2,500 (762) | Reel |
| 12-025-08 | 5 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 76 (113) | 1,000 (305) | Reel |
| 12-026-08 | 5 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 76 (113) | 700 (213) | IPL coil |
| 12-006-08 | 6 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 80 (119) | 400 (122) | Coil |
| 12-007-08 | 6 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 80 (119) | 2,500 (762) | Reel |
| 12-008-08 | 6 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 80 (119) | 3,500 (1,068) | Reel |
| 12-009-08 | 6 | 22 (0.64) | 0.27 (7.0) | 0.48 (12.0) | 80 (119) | 1,000 (305) | Reel |

**TECHNICAL GUIDELINE**

Sag and Tension Technical Guidelines are available for these products. Refer to the "Resources" section on our site for more information.