

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, polyvinylchloride 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
Standards Compliance	Telecordia GR-3163-CORE RDUP PE 7 ANSI/ICEA S-89-648-2006 UL Listed Subject 523 RoHS-compliant

Electrical Specifications

Number of Pairs	Average Mutual Capacitance @ 1000 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)
Minimum NEXT @ 722 kHz	44 (144)

Capacitance Unbalance @ 1000 Hz	pF/kft (pF/km)
Maximum Individual Pair	80 (262)

Part Numbers and Physical Characteristics

Part Number	Pair Count	Minor Dimension in (mm)	Major Dimension in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
12-031-08	1	0.18 (4.8)	0.36 (9.1)	34 (51)	750 (229)	POP™ Box
12-032-08	1	0.18 (4.8)	0.36 (9.1)	34 (51)	1,000 (305)	Reel
12-004-08	2	0.18 (4.8)	0.36 (9.1)	39 (58)	750 (229)	POP™ Box
12-010-08	2	0.18 (4.8)	0.36 (9.1)	39 (58)	1,000 (305)	Coil
12-023-08	2	0.18 (4.8)	0.36 (9.1)	39 (58)	5,000 (1,524)	Reel
12-019-08	3	0.21 (5.3)	0.39 (9.9)	45 (67)	600 (183)	POP™ Box
12-022-08	3	0.21 (5.3)	0.39 (9.9)	45 (67)	750 (229)	Coil
12-519-08	5	0.27 (7.0)	0.48 (12.0)	76 (113)	400 (122)	POP™ Box
12-024-08	5	0.27 (7.0)	0.48 (12.0)	76 (113)	2,500 (762)	Reel
12-025-08	5	0.27 (7.0)	0.48 (12.0)	76 (113)	1,000 (305)	Reel
12-026-08	5	0.27 (7.0)	0.48 (12.0)	76 (113)	700 (213)	IPL Coil
12-006-08	6	0.27 (7.0)	0.48 (12.0)	70 (104)	400 (122)	Coil
12-007-08	6	0.27 (7.0)	0.48 (12.0)	70 (104)	2,500 (762)	Reel
12-008-08	6	0.27 (7.0)	0.48 (12.0)	70 (104)	3,500 (1,068)	Reel
12-009-08	6	0.27 (7.0)	0.48 (12.0)	70 (104)	1,000 (305)	Reel

TECH TIP

Sag and Tension guidelines for these products are available online:
www.SPSX.com/techtip.aspx

