



Product Description

- ADP NMS is a PVC-jacketed aerial service wire offered in two, three or six 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.

Physical Description

- CONDUCTORS: Solid annealed copper in 22 AWG.
- INSULATION: Each conductor is insulated with solid polyolefin in distinctive colors. 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.
- CORE ASSEMBLY: Individual conductors are carefully twisted into pairs in a manner designed to minimize resistance unbalance.
- STRENGTH MEMBERS: Strength Members are placed parallel to the core assembly, to provide the necessary longitudinal strength.
- RIPCORD: A ripcord is placed parallel to the core to facilitate jacket removal.
- JACKET: A black, weather resistant, polyvinyl chloride jacket is extruded over the strength members and ripcord 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.

Electrical Specifications

Mutual Capacitance at 1000 Hz

All Pairs	nF/mile	nF/km
Maximum Individual	94	58
Wire Average	83 ± 7	52 ± 4

Conductor Size		Insulation Resistance Minimum		Attenuation – Max Average @ 772 kHz				Conductor DC Resistance @ 68°F Max Individual		Resistance Unbalance Maximum	Dielectric Strength Volts DC
AWG	mm	megohm/mile	megohm/km	dB/kft		dB/km		ohms/mile	ohms/km	Individual Pair %	5 sec, no breakdown
22	0.64	1000	1600	dry	5.1	dry	16.7	91.0	56.0	5.0	dry 7,200
				wet	5.3	wet	17.4				wet 7,050

Crosstalk Loss	dB/kft	dB/km	Capacitance Unbalance @ 1000 Hz, Pair to Pair
FEXT @ 150 kHz; Minimum Individual	63	58	pF/kft pF/km
NEXT @ 772 kHz; Minimum Individual	48 dB		Maximum Individual Pair 80 145

Part Numbers and Physical Characteristics

Part #	Pair Count	Minor Dimensions in (mm)	Major Dimensions in (mm)	Approx. Weight lbs/kft (kg/km)	Standard Length ft (m)	Package
12-004-08	2	0.18 (4.8)	0.36 (9.1)	35 (50)	750 (230)	POP® Box
12-010-08	2	0.18 (4.8)	0.36 (9.1)	35 (50)	1000 (305)	Coil
12-019-08	3	0.21 (5.3)	0.39 (9.9)	40 (60)	600 (183)	POP® Box
12-022-08	3	0.21 (5.3)	0.39 (9.9)	40 (60)	750 (228)	Coil
12-006-08	6	0.27 (7)	0.48 (12)	70 (105)	400 (122)	Coil
12-007-08	6	0.27 (7)	0.48 (12)	70 (105)	2500 (763)	Reel
12-008-08	6	0.27 (7)	0.48 (12)	70 (105)	3500 (1068)	Reel
12-009-08	6	0.27 (7)	0.48 (12)	70 (105)	1000 (305)	Reel



TECH TIP

Sag and Tension guidelines for these products are available online:
<http://www.superioressex.com/techinfo/sag-tension.htm>

Standards Compliance:

Telecordia GR-1069-CORE; RUS PE 7; ANSI/ICEA S-89-648-2000; UL Listed