

# AIPHONE® WIRE BY STOCK NUMBER

STOCK #	LENGTH	AWG	DESCRIPTION	INSULATION	CAPACITANCE	DC RES/1000
81221650C	500'	22	16-conductor, non-shielded	PVC	23.60 pf/ft	17.50 ohm
82180210C	1,000'	18	2-conductor, overall shield	PVC	47.00 pf/ft	6.92 ohm
82180310C	1,000'	18	3-conductor, overall shield	PVC	47.00 pf/ft	6.92 ohm
82220250C	500'	22	2-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82220210C	1,000'	22	2-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82220350C	500'	22	3-conductor, overall shield	PVC	44.62 pf/ft	17.50 ohm
82220650C	500'	22	6-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82221050C	500'	22	10-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82221250C	500'	22	12-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82221550C	500'	22	15-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
82222050C	500'	22	20-conductor, overall shield	PVC	44.65 pf/ft	17.50 ohm
85160210C	1,000'	16	2-conductor, low cap, PE, solid, non-shielded	PE	12.50 pf/ft	4.02 ohm
851602DB10C	1,000'	16	2-conductor, low cap, PE, solid, non-shielded, direct burial	PE	12.50 pf/ft	4.16 ohm
85220710C	1,000'	22	7-conductor, low cap, PE, non-shielded	PE	16.50 pf/ft	17.50 ohm
86220810C	1,000'	22	4 twisted pair, low cap, PE, overall shield	PE	15.28 pf/ft	10.15 ohm
86221025C	250'	22	5 twisted pair, low cap, PE, overall shield	PE	15.28 pf/ft	10.15 ohm
87180250C	500'	18	2-conductor, low cap, PE, solid, non-shielded	PE	11.05 pf/ft	6.39 ohm
87180210C	1,000'	18	2-conductor, low cap, PE, solid, non-shielded	PE	11.05 pf/ft	6.39 ohm
871802P10C	1,000'	18	2-conductor, low cap, PVC, solid, non-shielded, plenum rated	FEP	13.00 pf/ft	6.52 ohm
87180450C	500'	18	4-conductor, low cap, PE, solid, non-shielded	PE	13.60 pf/ft	6.39 ohm
871804P50C	500'	18	4-conductor, low cap, PE, solid, non-shielded, plenum rated	FEP	23.60 pf/ft	6.80 ohm
87200250C	500'	20	2-conductor, mid cap, PE, solid, non-shielded	PE	20.96 pf/ft	10.15 ohm
87200210C	1,000'	20	2-conductor, mid cap, PE, solid, non-shielded	PE	20.96 pf/ft	10.15 ohm
872002P10C	1,000'	20	2-conductor, mid cap, PE, solid, non-shielded, plenum rated	FEP	18 pf/ft	10.15 ohm

## WIRE NUMBER CODING

**1st digit:** 8 = Aiphone approved wire

**2nd digit:** Type of wire → **1** = non-shielded **5** = low capacitance  
**2** = shielded **6** = twisted pair / shielded  
**3** = twisted pair **7** = solid PE, low / mid capacitance

**3rd & 4th digits:** Gauge → **22** = 22 AWG **20** = 20 AWG **18** = 18 AWG **16** = 16 AWG

**5th & 6th digits:** Number of-conductors → **02** = 2-conductors **12** = 12-conductors

**7th & 8th digits:** Length of wire → **10** = 1,000' box **50** = 500' box **25** = 250' box

**9th digit:** "C" indicates new wire

**DB** = Direct Burial

**P** = Plenum

## WIRE NUMBER CODING EXAMPLE

**1st:** Aiphone Approved  
**2nd:** TYPE - Shielded  
**3rd & 4th:** GAUGE - 22 AWG  
**5th & 6th:** CONDUCTORS 02=2 Conductors  
**7th & 8th:** WIRE LENGTH 10=1,000' Box  
**9th:** "C" is New Wire

**8**

**2**

**22**

**02**

**10**

**C**

## WIRE INFORMATION

All wire is stranded unless otherwise indicated.

Non-plenum wires have a gray jacket. Plenum wires have a natural jacket.

All wire meets the following standards: UL, C(UL), UL 444, CA Fire Marshal

**Contact Aiphone for current pricing.**

**Using Aiphone wire extends your product warranty by one year.**