

Aiphone Wire

Installation Wire for Aiphone Intercom Systems

DESCRIPTION:

Aiphone wire is designed to provide the best quality performance for the intercom that is being installed. Wire is available in conductor counts ranging from 2 to 20 wires per cable, 22 or 18 gauge in most cases, and in lengths of 250', 500', and 1000'. The appropriate type of cable is available for every Aiphone system.

See the following chart for a listing of Aiphone systems and the corresponding wire.

Understanding Aiphone Wire Model Numbers:

Definition of each digit in the wire model number:

1st: All Aiphone wire begins with "8"

2nd: Type of cable

2 = shielded, 3 = twisted pair, 4 = mid-capacitance, 5 = low-capacitance

3rd and 4th: Gauge of wire. (22=22AWG; 18=18AWG.)

5th and 6th digits: Number of conductors in the cable. (i.e. 02=2 conductors; 12=12 conductors.)

7th and 8th digits: Length of cable. (10 = 1000', 25 = 250', 50 = 500')

(Please note that all cables are not available in all lengths)

For example: Wire #82221550 is broken down as follows: ("8") = Aiphone cable; ("2") = shielded; ("22") = 22 AWG, ("15") = 15 conductors; ("50") = 500 foot "Quick-Pull" box.

FEATURES:

- **Adds one year** to the standard Aiphone warranty
- Equipment and wire from a single source
- Wire has been tested with its corresponding system to assure the best quality performance
- Ground freight is included in the price
- 250' lengths are on spools, 500' and 1000' lengths are in "Quick-Pull" boxes
- All Aiphone wire is UL listed

System	Wire # (Length)	Description	Max. Dist.	Jacket / Nom. O.D.	Cap. and Loop Res.	Weight per 1K'
AP-M	832202 (10)	1 Twisted pair, 22AWG	490'	PVC .140"	29.6 pf/ft 14.8 Ω	11.5
AT-406	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	1300'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
AVD-1A	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	650'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
Chime Com	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	250'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
GF	872002(10, 50)	2 cond., 20AWG, Solid,shielded	980'	PVC .151"	32.0pf/ft 10.04 Ω	N/A
GM System:						
Trunk Line	831808(50)	4 Twisted pair, 18AWG	330'	PVC .312"	35.6 pf/ft 5.86 Ω	63.3lb
Call Wires	852205 (50)	5 Cond., 22AWG, Low-cap	330'	PVC .187"	10.2pf/ft 14.8 Ω	25.9lb
IE Doors	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	500'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
IE-1GD, 2AD & IEH-1CD	822206(50)	6 Cond., 22AWG, Non-shielded	250'	PVC .193"	29.6 pf/ft 14.8 Ω	26.8lb
IE-8MD, IE-8HD	822206(25, 50)	6 Cond., 22AWG, Shielded	250'	PVC .190"	48.2 pf/ft 14.8Ω	28.5lb

System	Wire # (Length)	Description	Max. Dist.	Jacket / Nom. O.D.	Cap. and Loop Res.	Weight per 1K'
KB Series: KB-DAR to KB-3MRD: 650'. <i>These distances cannot be guaranteed with any other type of wire.</i> KB-3MRD to last KB-3HRD: 330' <i>Use only these approved cables with the KB series.</i>						
	871802 (10, 25, 50) or West Penn D990	2 Cond., 16AWG, FPLR		.141"	18.0 pf/ft	14.0lb
PS-24E to each KB-3MRD, KB-3HRD		Above cables, or standard 18AWG/2 Cond. non-shielded cable				
KC Series: KC-DAR						
	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	HDP .212"	15.9 pf/ft 5.86 Ω	23.3lb
Between Monitors <i>plus</i>	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	HDP .212"	15.9 pf/ft 5.86 Ω	23.3lb
PS-24E to ea. Mon.	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	HDP .212"	15.9 pf/ft 5.86 Ω	23.3lb
LEM-1 & 3	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	650'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
LEM-1DL	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	650'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
LEF-3	822210(50)	10 Cond., 22AWG, Shielded	650'	PVC .250"	48.2 pf/ft 14.8 Ω	46.8lb
LEF-5	822212(50)	12 Cond., 22AWG, Shielded	650'	PVC .265"	48.2 pf/ft 14.8 Ω	50.1lb
LEF-10/10S	822220(50)	20 Cond., 22AWG, Shielded	650'	PVC .341"	48.2 pf/ft 14.8 Ω	78.7lb
LEF-1C Homerun	822212(50)	12 Cond., 22AWG, Shielded	650'	PVC .265"	48.2 pf/ft 14.8 Ω	50.1lb
Looped (Max. 9 stns.)	822220(50)	20 Cond., 22AWG, Shielded	650'	PVC .341"	48.2 pf/ft 14.8 Ω	78.7lb
LEF-3C	822212(50)	12 Cond., 22AWG, Shielded	650'	PVC .265"	48.2 pf/ft 14.8 Ω	50.1lb
LEF-5C	822215(50)	15 Cond., 22AWG, Shielded	650'	PVC .310"	48.2 pf/ft 14.8 Ω	60.7lb
LEF-10C	822220(50)	20 Cond., 22AWG, Shielded	650'	PVC .341"	48.2 pf/ft 14.8 Ω	78.7lb
LE-D/DA, LE-A/AN, LE-B/BN						
Single Master: Homerun	822202(10, 25, 50) or 821802(10, 25, 50)	2 Cond., 22AWG, Shielded	650'	PVC .141"	48.2 pf/ft 16.6 Ω	12.7lb
		2 Cond., 18AWG, Shielded	1600'	PVC .185"	55 pf/ft 6.45 Ω	29.5lb
Multi-master: Homerun	822203(10, 25, 50) or 821803(10, 25, 50)	3 Cond., 22AWG, Shielded	650'	PVC .144"	48.2 pf/ft 16.6Ω	16.2lb
		3 Cond., 18AWG, Shielded	1600'	PVC	55 pf/ft	29.5lb

System	Wire # (Length)	Description	Max. Dist.	Jacket / Nom. O.D.	Cap. and Loop Res.	Weight per 1K'
Looped (Max. 4)	822206(50)	6 Cond., 22AWG, Shielded	650'	.188" PVC	6.45Ω 48.2 pf/ft	28.5lb
Looped (Max. 8)	822210(50)	10 Cond., 22AWG, Shielded	650'	.190" PVC	14.8Ω 48.2 pf/ft	46.8lb
LE-C/CN Homerun	822206(50)	6 Cond., 22AWG, Shielded	650'	.257" PVC	14.8 Ω 48.2 pf/ft	28.5lb
Looped (Max. 3)	822210(50)	10 Cond., 22AWG, Shielded	650'	.190" PVC	14.8Ω 48.2 pf/ft	46.8lb
LEF Using Selective Contacts (K terms.): LEF-5	822220(50)	20 Cond., 22AWG, Shielded	650'	.257" PVC	14.8 Ω 48.2 pf/ft	78.7lb
LEF-10,10S,10C Plus	822220(50) +	20 Cond., 22AWG, Shielded	650'	.341" PVC	14.8 Ω 48.2 pf/ft	78.7lb
	822210(50)	10 Cond., 22AWG, Shielded	650'	.341" PVC	14.8 Ω 48.2 pf/ft	46.8lb
MC-60/4A & B	852207(10, 50)	7 Cond., 22AWG, Low-cap	1700'	.250" PVC	14.8 Ω 10.2pf/ft	37.9lb
MKS-1EYC	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	.250" HDP	14.8 Ω 15.9 pf/ft	23.3lb
MP-S	822202(10, 25, 50)	2 Cond., 22AWG, Shielded	330'	.212" PVC	5.86 Ω 48.2 pf/ft	12.7lb
MYS-1CD	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	.141" HDP	16.6 Ω 15.9 pf/ft	23.3lb
MK Series Camera	841802(25, 50)	2 Cond., 18AWG, Mid-cap	330'	.212" HDP	5.86 Ω 15.9 pf/ft	23.3lb
MY-CU to MYH-CU	841806(25, 50)	6 Cond., 18AWG, Mid-cap	245'	.212" HDP	5.86 Ω 15.9 pf/ft	53.6lb
MY-2CD to MYH-2CD	841804(25, 50)	4 Cond., 18AWG, Mid-cap	245'	.290" HDP	5.86 Ω 15.9 pf/ft	38lb
MYW-P1L to LEF Video	841806(25, 50)	6 Cond., 18AWG, Mid-cap	245'	.243" HDP	5.86 Ω 15.9 pf/ft	53.6lb
Audio	822206(50)	6 Cond., 22AWG, Shielded	650'	.290" PVC	5.86 Ω 48.2 pf/ft	28.5lb
MYW-P3L to LEF Video	841806(25, 50)	6 Cond., 18AWG, Mid-cap	245'	.190" HDP	14.8Ω 15.9 pf/ft	53.6lb
Audio	822212(50)	12 Cond., 22AWG, Shielded	650'	.290" PVC	5.86 Ω 48.2 pf/ft	50.1lb
MYW-BA	851602(10)	2 Cond., 16 AWG, Low-cap	980'	.265" PVC	14.8 Ω 12 pf/ft	29.7lb
NEM Subs Homerun	822202(10, 25, 50) or 821802(10, 25, 50)	2 Cond., 22AWG, Shielded 2 Cond., 18AWG, Shielded	420' 1000'	.222" PVC PVC	4.02 Ω 48.2 pf/ft 16.6 Ω	12.7lb 29.5lb

System	Wire # (Length)	Description	Max. Dist.	Jacket / Nom. O.D.	Cap. and Loop Res.	Weight per 1K'
				.185"	6.45 Ω	
Looped (Max. 5)	822206(50)	6 Cond., 22AWG, Shielded	420'	PVC .190"	48.2 pf/ft 14.8Ω	28.5lb
Looped (Max. 9)	822210(50)	10 Cond., 22AWG, Shielded	420'	PVC .257"	48.2 pf/ft 14.8 Ω	46.8lb
NEW-5	822210(50)	10 Cond., 22AWG, Shielded	320'	PVC .257"	48.2 pf/ft 14.8 Ω	46.8lb
RCX	832204	2 Twisted pair, 22AWG	6500'	PVC .215"	29.6 pf/ft 14.8 Ω	14.4
TB-M:						
To TB-SE	812202(10, 25, 50)	2 Cond., 22AWG, Non-shielded	500'	PVC .140"	29.6 pf/ft 14.8 Ω	10.7lb
To TB-AD1	812206(25, 50)	6 Cond., 22AWG, Non-shielded	500'	PVC .193"	29.6 pf/ft 14.8 Ω	26.8lb
To TB-AD10	822215(50)	15 Cond., 22AWG, Shielded	210'	PVC .310"	48.2 pf/ft 14.8 Ω	60.7lb
TCS-MH	812202(10, 25, 50)	2 Cond., 22AWG, Non-shielded	500'	PVC .140"	29.6 pf/ft 14.8 Ω	10.7lb
TD-1H/B	852205(10, 50)	5 Cond., 22AWG, Low-cap	2000'	PVC .185"	10.2pf/ft 14.8 Ω	25.9lb
TD-3H/B	852207(10, 50)	7 Cond., 22AWG, Low-cap	2000'	PVC .250"	10.2pf/ft 14.8 Ω	37.9lb
TD-6H/B	852210(10, 50)	10 Cond., 22AWG, Low-cap	2000'	PVC .269"	10.2pf/ft 14.8 Ω	46.5lb
TD-12H/B	852216(10, 50)	16 Cond., 22AWG, Low-cap	2000'	PVC .362"	10.2pf/ft 14.8 Ω	74.3lb
TD-24H/B	852216 x2(10, 50)	16 Cond., 22AWG, Low-cap	2000'	PVC .362"	10.2pf/ft 14.8 Ω	74.3lb
TD-6Z	852210(10, 50)	10 Cond., 22AWG, Low-cap	2000'	PVC .250"	10.2pf/ft 14.8 Ω	46.5lb
TD-12Z	852216(10, 50)	16 Cond., 22AWG, Low-cap	2000'	PVC .362"	10.2pf/ft 14.8 Ω	74.3lb
VC-M to VC-K Homerun	852205(10, 50)	5 Cond., 22AWG, Low-cap	1100'	PVC .185"	10.2pf/ft 14.8 Ω	25.9lb
Looped (Max. 6)	852210(10, 50)	10 Cond., 22AWG, Low-cap	1100'	PVC .250"	10.2pf/ft 14.8 Ω	46.5lb
Looped (Max. 12)	852216(10, 50)	16 Cond., 22AWG, Low-cap	2000'	PVC .362"	10.2pf/ft 14.8 Ω	74.3lb
VY System:						
Trunkage Line	831808(50)	4 Twisted pair, 18AWG	330'	PVC .312"	35.6 pf/ft 5.86 Ω	63.3lb
Call Wires	852205 (50)	5 Cond., 22AWG, Low-cap	330'	PVC .185"	10.2pf/ft 14.8 Ω	25.9lb
	852210(10, 50)	10 Cond., 22AWG, Low-cap	330'	PVC .269"	10.2pf/ft 14.8 Ω	46.5lb
VY-RVU to MY-1CD	831808(50)	4 Twisted pair, 18AWG	65'	PVC .312"	35.6 pf/ft 5.86 Ω	63.3lb
YAZ	831808(50)	4 Twisted pair, 18AWG	1.2 Miles	PVC .312"	35.6 pf/ft 5.86 Ω	63.3lb