

Typical wiring in villa application

Cables and distance

When Monitor quantity < 20

Cable Usage	A	B
Twisted cable 2x0.00116 sq.in	196ft	196ft
Twisted cable 2x0.00155 sq.in	262ft	262ft

When Monitor quantity > 20

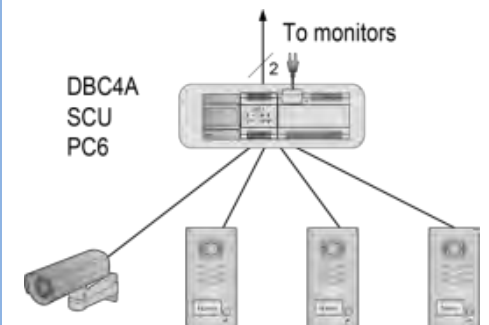
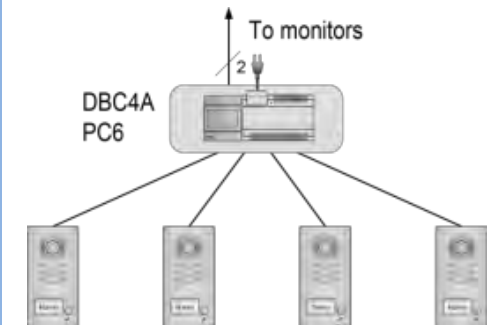
Cable Usage	A	B
Twisted cable 2x0.00155 sq.in	229ft	98ft
Twisted cable 2x0.00233 sq.in	229ft	164ft

Note:

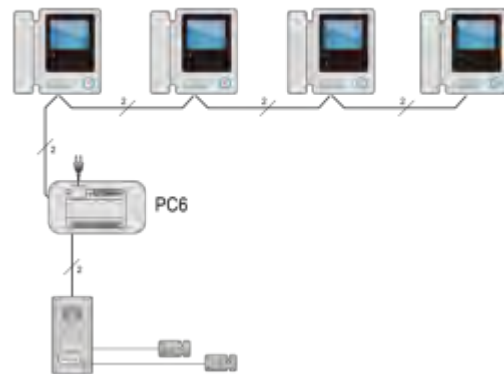
1. A means the distance from door station to power supply;
2. B means the distance from power supply to the last monitor (or to the last distributor).
3. The thicker the copper wire is, the longer distance will be. Best wire to use is 18 Gauge twisted, while Cat 5 or 6 are not recommended.



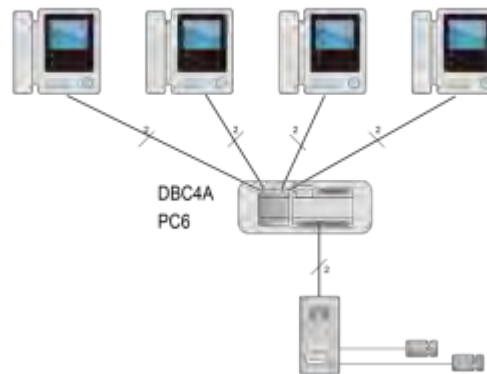
Extending door stations/cameras



In-out topology

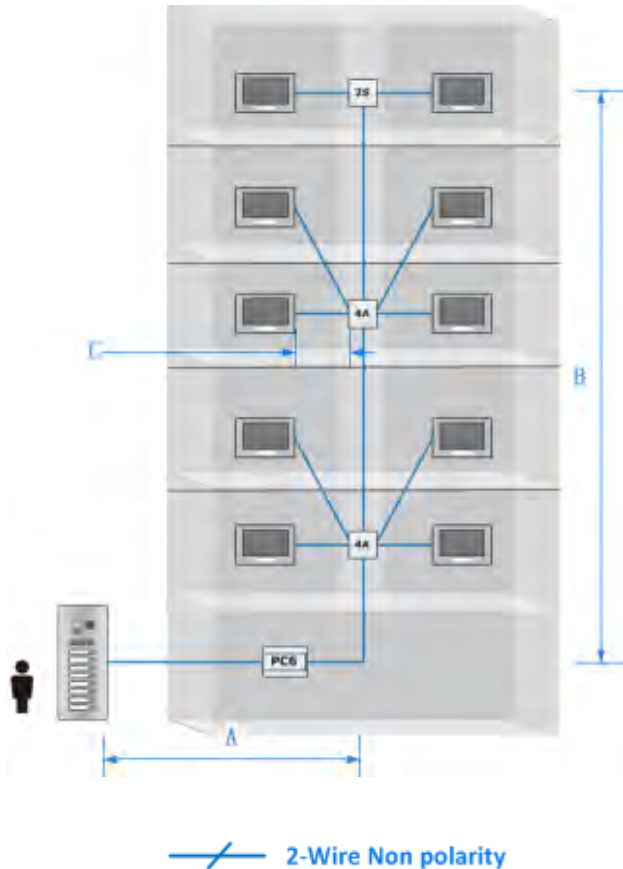


Star topology



Typical wiring in apartment application (max 32 families)

Wiring diagram



Cables and distance

When Monitor quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.00116 sq.in	196ft	196ft	98ft
Twisted cable 2x0.00155 sq.in	262ft	262ft	131ft

When Monitor quantity > 20

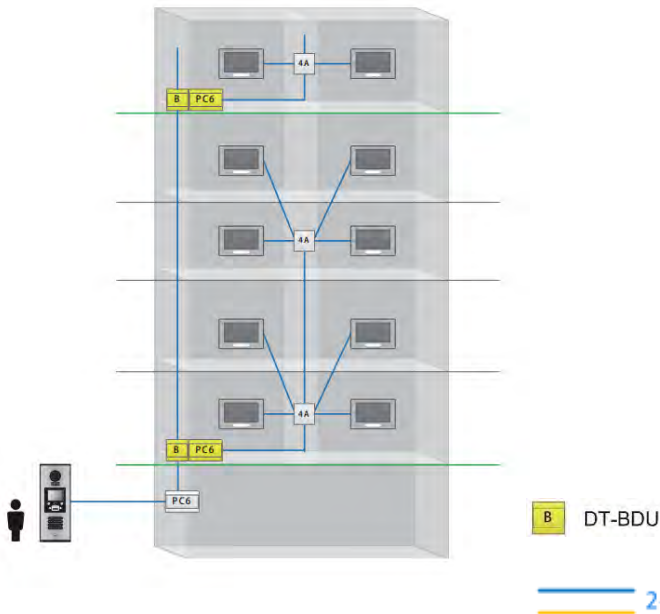
Cable Usage	A	B	C
Twisted cable 2x0.00155 sq.in	229ft	98ft	65ft
Twisted cable 2x0.00233 sq.in	229ft	164ft	98ft

Note:

1. A means the distance from door station to power supply;
 2. B means the distance from power supply to the last monitor (or to the last distributor).
 3. C means the distance from distributor to the monitor.
3. The thicker the copper wire is, the longer distance will be. Best wire to use is 18 Gauge twisted, while Cat 5 or 6 are not recommended.

Typical wiring in large buildings application (32-256 families)

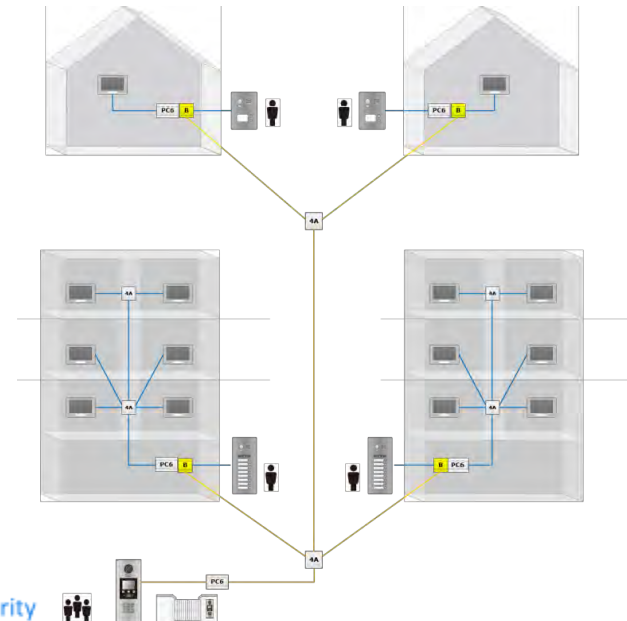
Network Apartment System (single bluding)



Solution features:

1. Have one common door station can call all the indoor units;
2. the system can connect up to 8 BDUs, and each BDU can connect up to 32 indoor units.

Network Apartment System (Max 8 buildings)

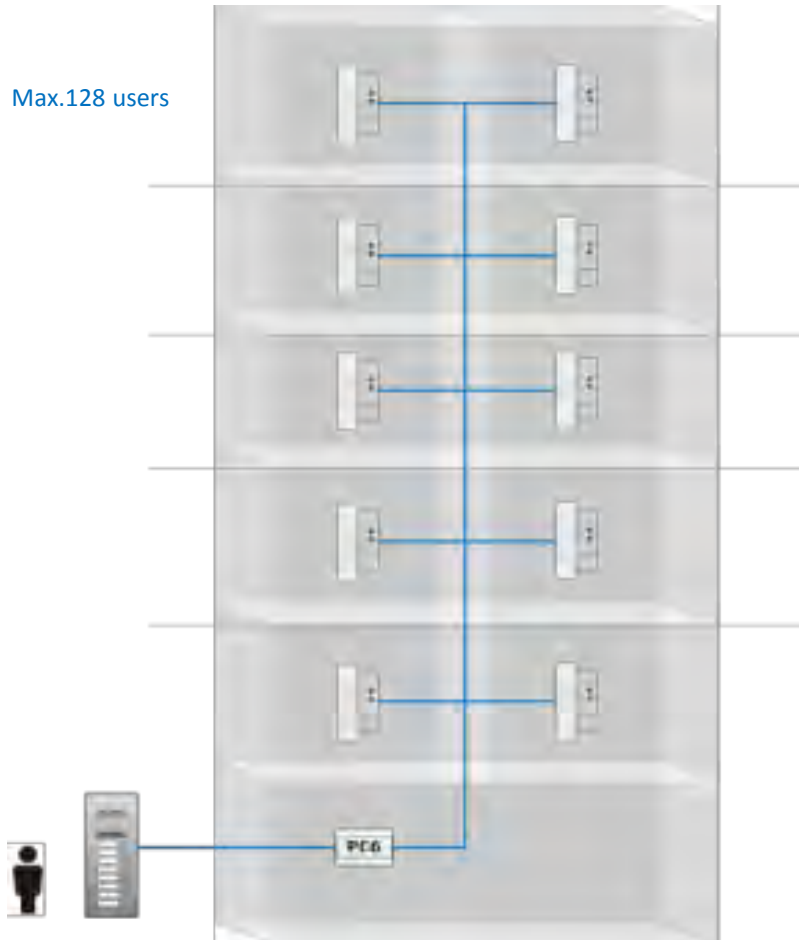


Solution features:

For residential community including villas/house, small apartment, shared with a common gate, a gateway of BDU is used for making up a network system (MAX 8 BDU as well).
Beside a common outdoor station, each block/buildings can connect max 3 secondary outdoor stations.

2-Wire audio apartment system

Max.128 users



Audio Apartment System for single block

Solution features:

Max.128 users in one block ;

DIP address setting;

Without accessories except Power supply;

Cabling in any topology;

Low cost for general purpose;

Priority on renovation.

— 2-Wire Non polarity