For call forwarding to the CallMe app

MAINS
24V
24V
LINE IN
LAN
1083/83 + 1083/24

Connection to 2Voice equipment — Cat5e Max 50M

Internet connection

Systems with 1083/41 Switchboard

Connection to 2Voice equipment — Cat5e Max 50M

Switchboard wiring junction box
LINE
POWER

1083/41 Switchboard

Cable supplied with 1083/41

DC OUTPUT V+ V-
AC INPUT L N — MAINS

PSU supplied with 1083/41

Note: Power supply for switchboard must be within 5M of the switchboard itself.

Maximum of 50 handsets

1083/55
LINE OUT
LINE 3 LINE 4
LINE IN
LINE 1 LINE 2
LINE IN

LINE IN

Further 1083/55 distribuors and handsets

Cat5e UTP

1083/55
LINE OUT
LINE 3 LINE 4
LINE IN
LINE 1 LINE 2
LINE IN

Cat5e UTP

1083/55
LINE OUT
LINE 3 LINE 4
LINE IN
LINE 1 LINE 2
LINE IN

Cat5e UTP Maximum 50M

Cat5e UTP Maximum 125M from 1083/75 to the furthest handset
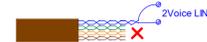
The maximum 'cable extension' is 800M.

For example -

Entry panel 1 to 1083/75 = 10M
Entry panel 2 to 1083/75 = 10M
Entry panel 3 to 1083/53 = 10M
Entry panel 4 to 1083/53 = 10M
1083/75 to the last 1083/55 distributor = 40M
1083/55 distributor to handset = 15M (multiplied by eg 40 apartments) = 600M.
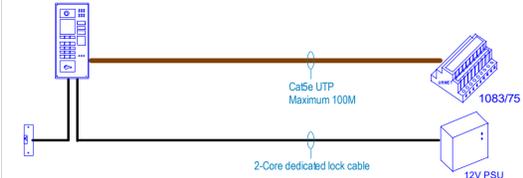10M + 10M + 10M + 10M + 40M + 600M = 680M cable extension.

Cables for electric releases, proximity readers etc are not included in the cable extension calculation.
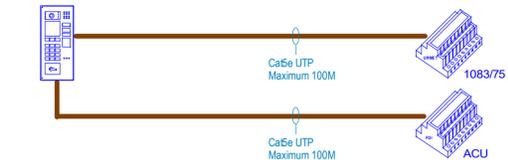
NOTES:

1. This schematic is for guidance only and should not be used for installation

2. Maximum distance from door entry panel to 1083/75 is 100m using Cat5e cable

3. Maximum distance from 1083/75 to the handset is 125m using Cat5e cable

4. Maximum distance from 1083/55 to the handset is 50m using Cat5e cable

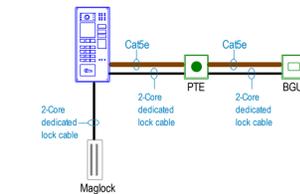5. Spare cores in Cat5e cable must not be used for other services -

2Voice LINE
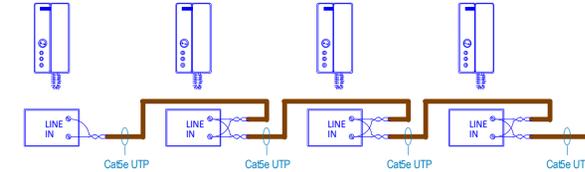
6. Add a cable for the electric release or maglock -

Cat5e UTP Maximum 100M
1083/75
2-Core dedicated lock cable
12V PSU

7. Add a second Cat5 cable if there is an Urmet/FDI iPassan access control system being fitted -

Cat5e UTP Maximum 100M
1083/75
Cat5e UTP Maximum 100M
ACU

8. Cabling for double pole push to exit switch, double pole break glass unit and maglock -

Cat5e
PTE
Cat5e
BGU
2-Core dedicated lock cable
2-Core dedicated lock cable
2-Core dedicated lock cable
Maglock

9. Up to four handsets can be connected to ring together -

LINE IN   LINE IN   LINE IN   LINE IN
Cat5e UTP   Cat5e UTP   Cat5e UTP   Cat5e UTP

2 cores
Press to exit switch
C
NO
Volt free 'clean contact' lock output
PA CT
LINE
C NO NC

1083/75
LINE 1
IN0   IN2
IN1   IN3
POWER LINE POWER IN
LINE 1   LINE 1
MAINS   MAINS

1083/20   1083/20

Cat5e UTP Maximum 100M
Cat5e UTP Maximum 100M

PA CT
LINE
C NO NC

PA CT
LINE
C NO NC

PA CT
LINE
C NO NC

Cat5e UTP Maximum 100M
Cat5e UTP Maximum 100M

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