To the next section of 50 handsets

Urmet 1083/92 2Voice cable

Cat5e UTP Maximum 125M from 1083/20 to the furthest handset

MAINS
1083/20   1083/53
Control equipment consisting of 1083/20 + 1083/53

For call forwarding to the CallMe app
+ 24V   MAINS
+ 24V
LINE IN
Connection to 2Voice equipment
Cat5e Max 50M
LAN
1083/83 + 1083/24
Per section of 50 monitors
Internet connection

Maximum of 50 handset

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

Further 1083/55 distributors and handsets
Cat5e UTP

Systems with 1083/41 Switchboard
Connection to 2Voice equipment
Cat5e Max 50M
Switchboard wiring junction box
LINE
1083/41 Switchboard
DC OUTPUT { V+ / V- }
AC INPUT { L / N } MAINS
POWER
Cable supplied with 1083/41
PSU supplied with 1083/41
Note: Power supply for switchboard must be within 5M of the switchboard itself.

1083/55
LINE OUT
LINE 3   LINE 4
LINE IN
LINE IN   LINE IN
LINE 1   LINE 2
LINE IN
Cat5e UTP Maximum 50M

Urmet 1083/92 2Voice cable

The maximum 'cable extension' for each section is 800M.

For example -

Power supply to the last 1083/55 distributor = 40M
1083/55 distributor to handset = 15M (multiplied by eg 40 apartments) = 600M.
40M + 600M = 640M cable extension.

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

The maximum number of sections is 32 therefore the maximum number of apartments is 32 x 50 = 1600

Cat5e UTP Maximum 125M from 1083/20 to the furthest handset

MAINS
1083/20   1083/53
Control equipment consisting of 1083/20 + 1083/53

The maximum 'cable extension' for each section is 800M.

For example -

Entry panel 1 to power supply = 100M
Entry panel 2 to power supply = 20M
Entry panel 3 to power supply = 10M
Power supply to the last 1083/55 distributor = 40M
1083/55 distributor to handset = 15M (multiplied by eg 40 apartments) = 600M.
100M + 20M + 10M + 40M + 600M = 770M cable extension.

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

The maximum number of sections is 32 therefore the maximum number of apartments is 32 x 50 = 1600
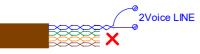
Maximum of 50 handset

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

Further 1083/55 distributors and handsets
Cat5e UTP

1083/55
LINE OUT
LINE 3   LINE 4
LINE IN
LINE IN   LINE IN
LINE 1   LINE 2
LINE IN
Cat5e UTP Maximum 50M

Urmet 1083/92 2Voice cable

Cat5e UTP Maximum 125M from 1083/53 to the furthest handset

MAINS
1083/20   1083/53
1083/20   1083/20   1083/75

NOTES:

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

2. Maximum distance from door entry panel to control equipment is 100m using Cat5e cable

3. Maximum distance from control equipment to the furthest handset is 125m using Cat5e cable

4. Maximum distance from the 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

PA
CT
LINE
2 cores
Press to exit switch
C
NO
Volt free 'clean contact' lock output
NO
NC
Cat5e UTP Maximum 100M

PA
CT
LINE
C
NO
NC
Cat5e UTP Maximum 100M

Cat5e UTP Maximum 100M

PA
CT
LINE
C
NO
NC