2 Cond 22 AWG
Belden 8740 or
equivalent

1" Concealed
Door Contact

Maglock

Maglock power supply

Maglock power supply located
with Access
Control Equipment

GFI

N / C

Building
Fire Panel

VAX-DRYMOD External
Relay 120V @ 2A

Twisted pair 4 pair
Cat5 100BASE T or Better

1 x 2 cond
18 AWG
Belden 9740
or
Equivalent

6 Cond stranded
not twisted overall
shielded 22 AWG
Belden 9537 or
Equivalent

1" Concealed
Door Contact

Door contact
magnet

Notes:
In this drawing, external power is keeping the mag-lock* locked. Power flows through N/C relay at Fire Panel and through an VAX-1D1R N/C Dry contact mod module placed upon the 12V wet lock Output (120V, 2A limit) and through a Fire Pull Switch. At anytime the Fire Panel or the Fire Pull Switch can drop the mag-lock*
If the VAX-1D1R loses power or is performing a firmware update, the Mag-Lock will remain secure.

* A Fail-safe, fire rated Door Strike can be used in place of a mag-lock

<table>
<thead>
<tr>
<th>Name</th>
<th>Maximum Distance</th>
<th>Cable Type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>POE Cable**</td>
<td>100 m (328')</td>
<td>twisted pair, 4 pairs</td>
<td>Cat5 100BASE-T or better</td>
</tr>
<tr>
<td>Reader Cable</td>
<td>152 m (500')</td>
<td>6 conductor stranded not twisted, 24 AWG or thicker, 100% overall shielded</td>
<td>Belden 9537 or equivalent</td>
</tr>
<tr>
<td>Door Strike Cable</td>
<td>152 m (500')</td>
<td>2 conductor stranded 18 AWG</td>
<td>Belden 8740 or equivalent*</td>
</tr>
<tr>
<td>Output Cable</td>
<td>152 m (500')</td>
<td>2 conductor stranded 22 AWG</td>
<td>Belden 8740 or equivalent*</td>
</tr>
<tr>
<td>Input Cable</td>
<td>152 m (500')</td>
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