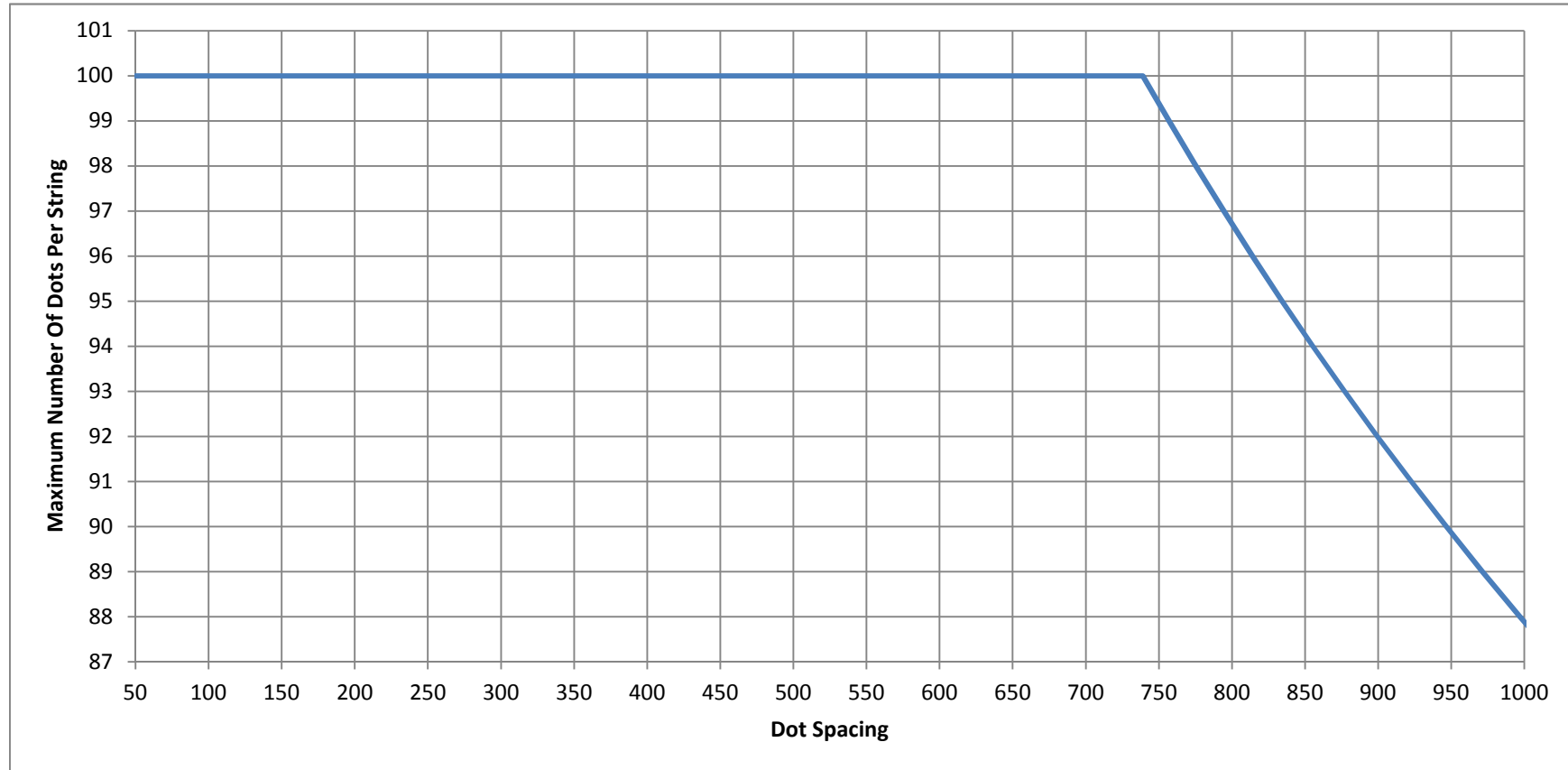




# VC-Dot 1

## Maximum Number Of Dots Per String versus Dot Spacing

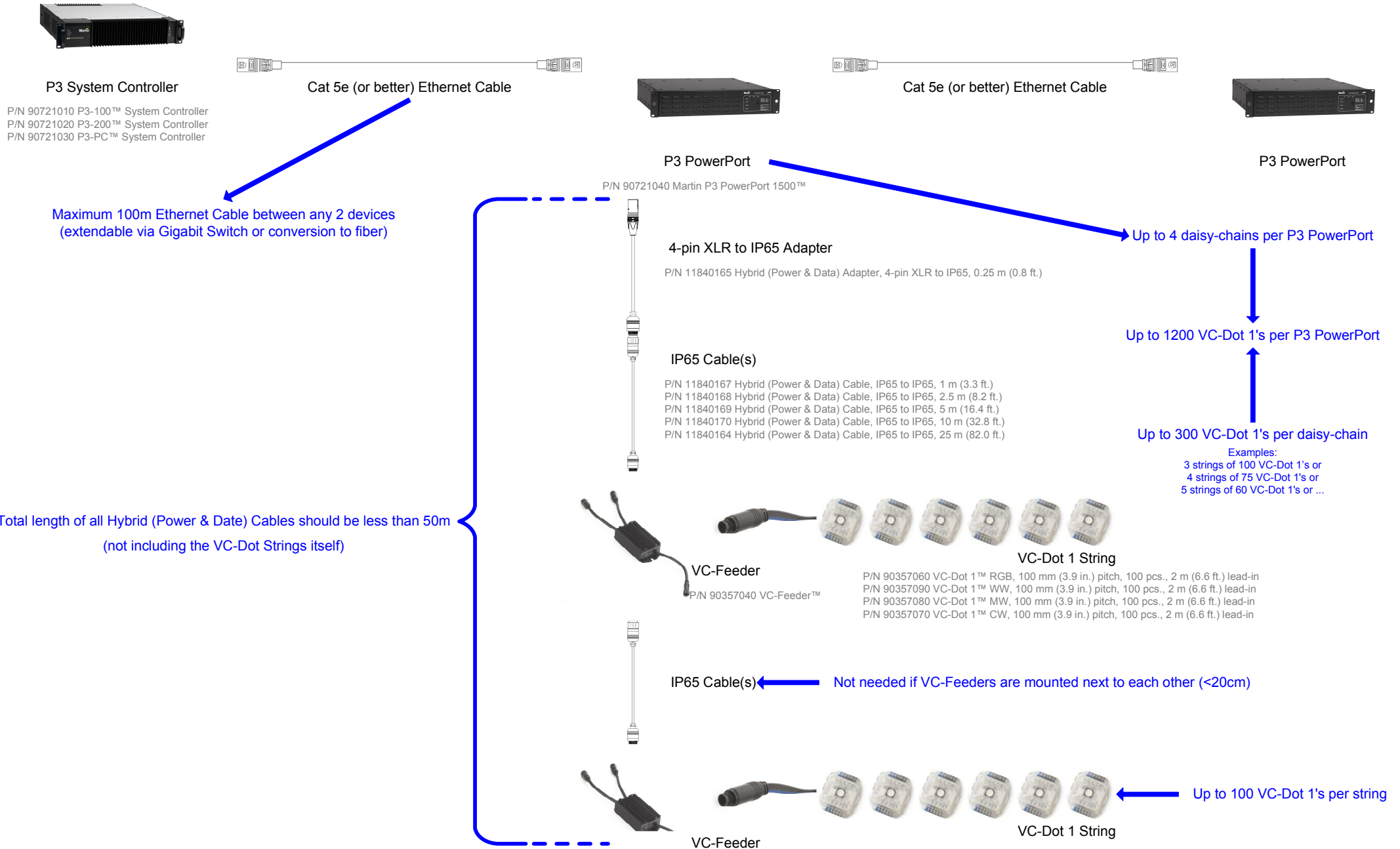
5m Lead-In Cable



Lead-In Cable Length	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
Dot Spacing	50	100	200	300	400	500	600	700	800	900	1000
Maximum Number Of Dots Per String/Feeder	100	100	100	100	100	100	100	100	96	91	87

# VC-Dot 1 System Diagram

P3-Mode

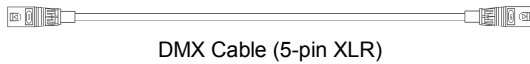


# VC-Dot 1 System Diagram

DMX-Mode with Tripix Power IP66



DMX Source



DMX Cable (5-pin XLR)



Tripix Power IP66

P/N 90760330 Tripix™ Power IP66



5-pin XLR + Tripix Power to IP65 Adapter

P/N 11840195 Hybrid (Power & Data) Adapter, 5-pin XLR + Tripix power to IP65, 0.25 m (0.8 ft.)



IP65 Cable(s)

P/N 11840167 Hybrid (Power & Data) Cable, IP65 to IP65, 1 m (3.3 ft.)  
 P/N 11840168 Hybrid (Power & Data) Cable, IP65 to IP65, 2.5 m (8.2 ft.)  
 P/N 11840169 Hybrid (Power & Data) Cable, IP65 to IP65, 5 m (16.4 ft.)  
 P/N 11840170 Hybrid (Power & Data) Cable, IP65 to IP65, 10 m (32.8 ft.)  
 P/N 11840164 Hybrid (Power & Data) Cable, IP65 to IP65, 25 m (82.0 ft.)

Up to 200 VC-Dot 1's per daisy-chain

Examples:

2 strings of 100 VC-Dot 1's or  
 4 strings of 50 VC-Dot 1's or  
 8 strings of 25 VC-Dot 1's or ...

If individual pixel control is required,  
 maximum 170 VC-Dot 1's can be put in a  
 daisy-chain (510 DMX Channels)

Total length of all Hybrid (Power & Date) Cables should be less than 50m  
 (not including the VC-Dot Strings itself)



VC-Feeder

P/N 90357040 VC-Feeder™



VC-Dot 1 String

P/N 90357060 VC-Dot 1™ RGB, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357090 VC-Dot 1™ WW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357080 VC-Dot 1™ MW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357070 VC-Dot 1™ CW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in



IP65 Cable(s)

Not needed if VC-Feeders are mounted next to each other (<20cm)



VC-Feeder



VC-Dot 1 String

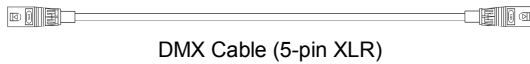
Up to 100 VC-Dot 1's per string

# VC-Dot 1 System Diagram

DMX-Mode with Generic 48Vdc Power Supply



DMX Source



DMX Cable (5-pin XLR)



48Vdc Power Supply

Taking into account voltage-drops over 50m cable, a string of 100 VC-Dot 1's will consume 120W

Example: A daisy-chain of 6 VC-Dot 1 Strings with 50 Dots each needs a 48V/360W Power Supply

5-pin XLR + Power to IP65 Adapter

P/N 11840174 Hybrid (Power & Data) Adapter, 5-pin XLR + power to IP65, 0.25 m (0.8 ft.)

Up to 300 VC-Dot 1's per daisy-chain

Examples:

- 3 strings of 100 VC-Dot 1's or
- 4 strings of 75 VC-Dot 1's or
- 6 strings of 50 VC-Dot 1's or ...

IP65 Cable(s)

- P/N 11840167 Hybrid (Power & Data) Cable, IP65 to IP65, 1 m (3.3 ft.)
- P/N 11840168 Hybrid (Power & Data) Cable, IP65 to IP65, 2.5 m (8.2 ft.)
- P/N 11840169 Hybrid (Power & Data) Cable, IP65 to IP65, 5 m (16.4 ft.)
- P/N 11840170 Hybrid (Power & Data) Cable, IP65 to IP65, 10 m (32.8 ft.)
- P/N 11840164 Hybrid (Power & Data) Cable, IP65 to IP65, 25 m (82.0 ft.)

If individual pixel control is required, maximum 170 VC-Dot 1's can be put in a daisy-chain (510 DMX Channels)

Total length of all Hybrid (Power & Date) Cables should be less than 50m (not including the VC-Dot Strings itself)



VC-Feeder

P/N 90357040 VC-Feeder™



VC-Dot 1 String

- P/N 90357060 VC-Dot 1™ RGB, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357090 VC-Dot 1™ WW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357080 VC-Dot 1™ MW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357070 VC-Dot 1™ CW, 100 mm (3.9 in.) pitch, 100 pcs., 2 m (6.6 ft.) lead-in

IP65 Cable(s)

← Not needed if VC-Feeders are mounted next to each other (<20cm)



VC-Feeder



VC-Dot 1 String

← Up to 100 VC-Dot 1's per string