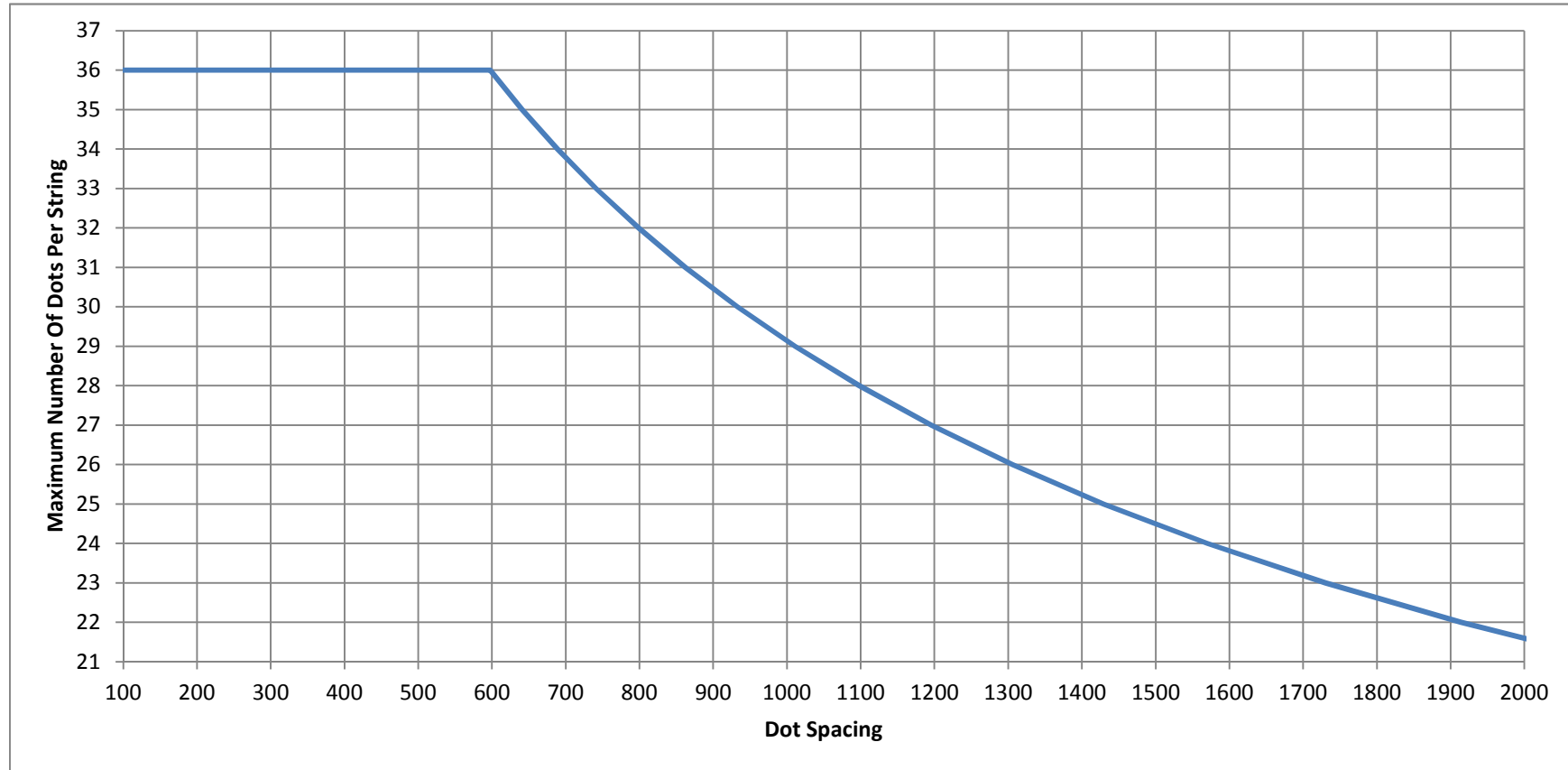


# VC-Dot 9

## Maximum Number Of Dots Per String versus Dot Spacing

2m Lead-In Cable

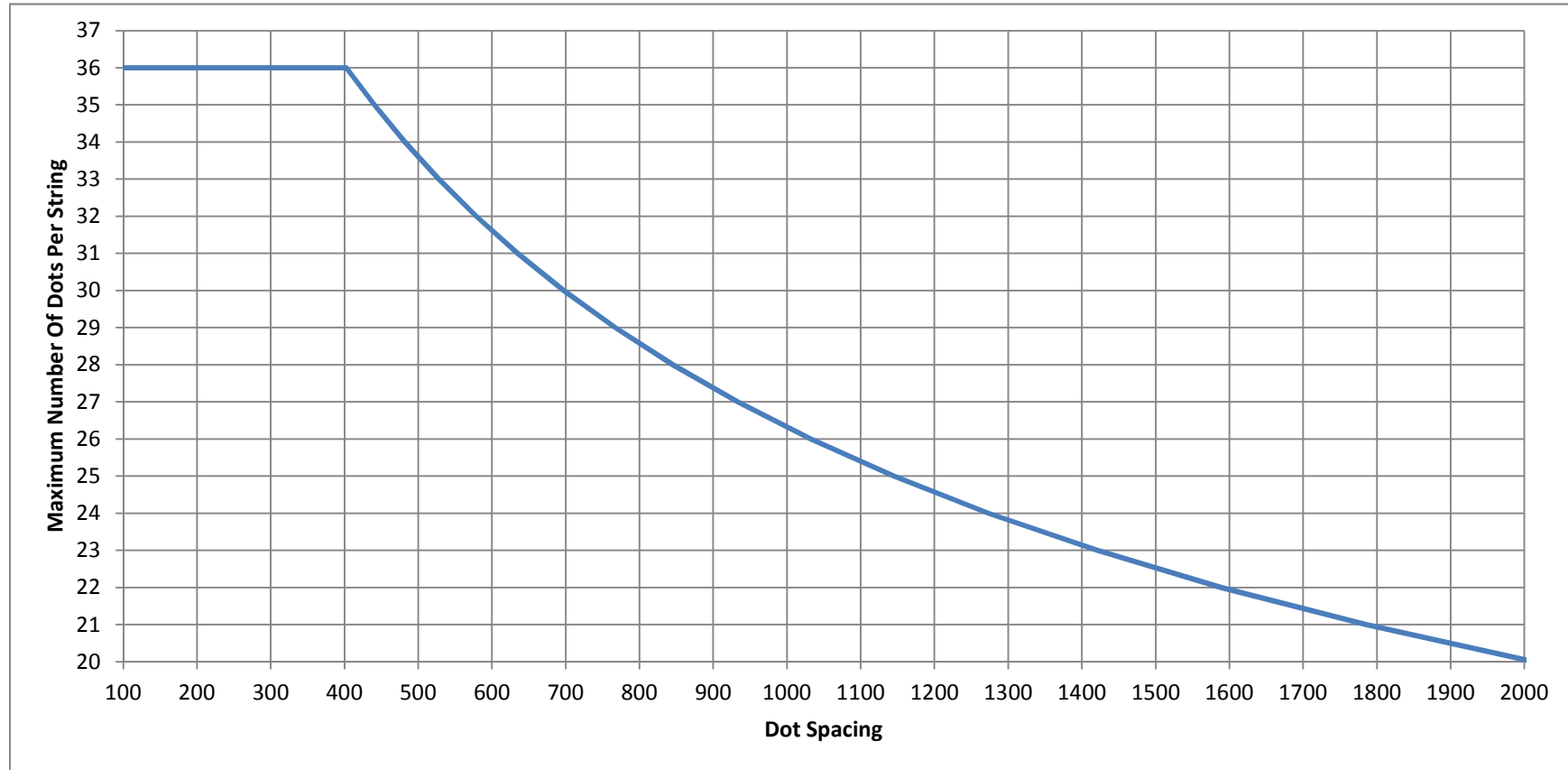


Lead-In Cable Length	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000
Dot Spacing	100	200	400	600	800	1000	1200	1400	1600	1800	2000
Maximum Number Of Dots Per String/Feeder	36	36	36	35	31	29	26	25	23	22	21

# VC-Dot 9

## 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	100	200	400	600	800	1000	1200	1400	1600	1800	2000
Maximum Number Of Dots Per String/Feeder	36	36	36	31	28	26	24	23	21	20	20

# VC-Dot 9 System Diagram

P3-Mode



P3 System Controller

P/N 90721010 P3-100™ System Controller  
 P/N 90721020 P3-200™ System Controller  
 P/N 90721030 P3-PC™ System Controller



Cat 5e (or better) Ethernet Cable



P3 PowerPort

P/N 90721040 Martin P3 PowerPort 1500™



Cat 5e (or better) Ethernet Cable



P3 PowerPort

Maximum 100m Ethernet Cable between any 2 devices  
 (extendable via Gigabit Switch or conversion to fiber)

Up to 4 daisy-chains per P3 PowerPort

4-pin XLR to IP65 Adapter

P/N 11840165 Hybrid (Power & Data) Adapter, 4-pin XLR to IP65, 0.25 m (0.8 ft.)

Up to 432 VC-Dot 9's per P3 PowerPort

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 108 VC-Dot 9's per daisy-chain

Examples:

3 strings of 36 VC-Dot 9's or  
 4 strings of 27 VC-Dot 9's or  
 6 strings of 18 VC-Dot 9's or ...

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 9 String

P/N 90357140 VC-Dot 9™ RGB, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357050 VC-Dot 9™ WW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357160 VC-Dot 9™ MW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357150 VC-Dot 9™ CW, 400 mm (15.7 in.) pitch, 36 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 9 String

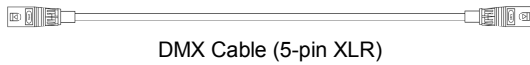
Up to 36 VC-Dot 9's per string

# VC-Dot 9 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 72 VC-Dot 9's per daisy-chain

Examples:

2 strings of 36 VC-Dot 9's or  
 4 strings of 18 VC-Dot 9's or  
 8 strings of 9 VC-Dot 9's or ...

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 9 String

P/N 90357140 VC-Dot 9™ RGB, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357050 VC-Dot 9™ WW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357160 VC-Dot 9™ MW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in  
 P/N 90357150 VC-Dot 9™ CW, 400 mm (15.7 in.) pitch, 36 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 9 String

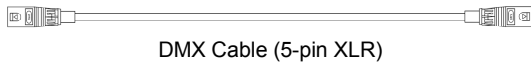
← Up to 36 VC-Dot 9's per string

# VC-Dot 9 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 36 VC-Dot 9's will consume 120W

Example: A daisy-chain of 6 VC-Dot 9 Strings with 18 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 108 VC-Dot 9's per daisy-chain

Examples:

- 3 strings of 36 VC-Dot 9's or
- 4 strings of 27 VC-Dot 9's or
- 6 strings of 18 VC-Dot 9'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.)

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 9 String

- P/N 90357140 VC-Dot 9™ RGB, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357050 VC-Dot 9™ WW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357160 VC-Dot 9™ MW, 400 mm (15.7 in.) pitch, 36 pcs., 2 m (6.6 ft.) lead-in
- P/N 90357150 VC-Dot 9™ CW, 400 mm (15.7 in.) pitch, 36 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 9 String

← Up to 36 VC-Dot 9's per string