

Shotgun Cable Maximum Load & Lengths

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| SHOTGUN/250m | | |
|--------------------|----------------------|--|
| Cable Distance (m) | Cable Resistance (Ω) | Maximum allowed load for 12V dc and 24V ac input Voltage (A) |
| 10 | 0.79Ω | 12V DC = 1.51A |
| | | 24V AC = 3.03A |
| 20 | 1.58 Ω | 12V DC = 759mA |
| | | 24V AC = 1.52A |
| 40 | 3.16 Ω | 12V DC = 380mA |
| | | 24V AC = 759mA |
| 60 | 4.74 Ω | 12V DC = 253mA |
| | | 24V AC = 506mA |
| 80 | 6.32 Ω | 12V DC = 190mA |
| | | 24V AC = 380mA |
| 100 | 7.90 Ω | 12V DC = 152mA |
| | | 24V AC = 304mA |
| 120 | 9.48 Ω | 12V DC = 126mA |
| | | 24V AC = 253mA |
| 140 | 9.66 Ω | 12V DC = 120mA |
| | | 24V AC = 240mA |
| 160 | 11.01 Ω | 12V DC = 100mA |
| | | 24V AC = 210mA |
| 180 | 12.42 Ω | 12V DC = 90mA |
| | | 24V AC = 190mA |
| 200 | 13.8 Ω | 12V DC = 80mA |
| | | 24V AC = 170mA |
| 220 | 15.18 Ω | 12V DC = 070mA |
| | | 24V AC = 150mA |
| 250 | 17.25 Ω | 12V DC = 060mA |
| | | 24V AC = 130mA |

| SHOTGUN/100m | | |
|--------------------|----------------------|--|
| Cable Distance (m) | Cable Resistance (Ω) | Maximum Allowed load for 12V dc and 24V ac input voltage (A) |
| 10 | 0.78 Ω | 12V DC = 1.53A |
| | | 24V AC = 3.07A |
| 20 | 1.56 Ω | 12V DC = 760mA |
| | | 24V AC = 1.53A |
| 30 | 2.34 Ω | 12V DC = 510mA |
| | | 24V AC = 1.02A |
| 40 | 3.12 Ω | 12V DC = 380mA |
| | | 24V AC = 760mA |
| 50 | 3.9 Ω | 12V DC = 300mA |
| | | 24V AC = 610mA |
| 60 | 4.68 Ω | 12V DC = 250mA |
| | | 24V AC = 510mA |
| 70 | 5.46 Ω | 12V DC = 210mA |
| | | 24V AC = 430mA |
| 80 | 6.24 Ω | 12V DC = 190mA |
| | | 24V AC = 380mA |
| 90 | 7.02 Ω | 12V DC = 170mA |
| | | 24V AC = 340mA |
| 100 | 7.8 Ω | 12V DC = 150mA |
| | | 24V AC = 300mA |

These tables show our **SHOTGUN** and **SHOTGUN/250M** 2 core power cable resistance and maximum allowed load in relation to distance in metres. The recommended maximum load is based on a voltage drop of **10%** which is regarded as the most that can be lost in the cable in order for the camera to still function. These tables are to be used as a guide only and if you are not 100% sure which cable to use please call our Technical Support line on **01642 207242**