



## CABLE RECOMMENDATIONS

<b>3+1 &amp; 4+1 Audio systems</b>				
<b>Distance</b>	<b>Speech line 1 &amp; 2 and other connections</b>		<b>Power lines + and – &amp; lock release connections</b>	
<b>Max. <math>\Omega</math></b>	<b>10<math>\Omega</math></b>		<b>3<math>\Omega</math></b>	
	<b>mm<sup>2</sup></b>	<b>AWG</b>	<b>mm<sup>2</sup></b>	<b>AWG</b>
<b>50m</b>	0.22	24	0.5	20
<b>100m</b>	0.35	22	0.75	18
<b>200m</b>	0.5	20	1.5	15
<b>300m</b>	0.75	18	2.0	14
<b>400m</b>	1.0	17	2.5	13

**Notes**  
 We recommend the power supplies are installed as close as possible to the outdoor station using:  
 1mm<sup>2</sup> cables up to a distance of 20mt.

Common cable resistances:-  
 CAT5 – 9.4 $\Omega$ /100m  
 CW1308 – 9.8 $\Omega$ /100m  
 YY 0.5mm<sup>2</sup> - 3.9 $\Omega$ /100m  
 YY 0.75mm<sup>2</sup> - 2.6 $\Omega$ /100m  
 YY 1.0mm<sup>2</sup> - 2 $\Omega$ /100m  
 Double up cores to achieve the resistances in the table