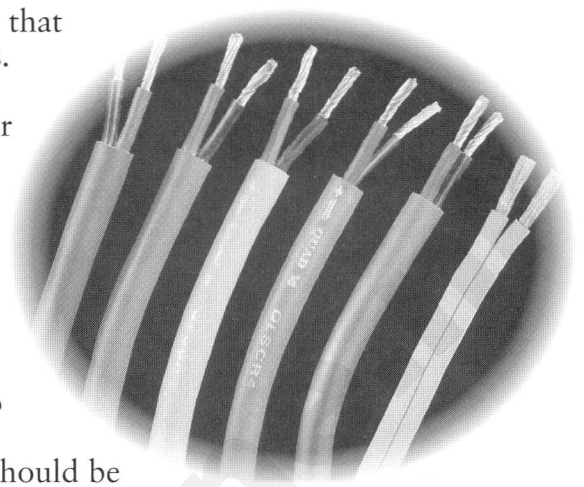


Cables

Choosing a Quad loudspeaker cable

The most important thing about loudspeaker cables is that they should be long enough to reach the loudspeakers. The electrical parameters of the cable matter and it is important to get them right, but this is a simple matter of physics and not difficult. Electronics are short on emotion and behave in an orderly way to a set of known rules. Properly designed loudspeaker cable will carry the output voltage of your power amplifier to the input terminals of your loudspeakers with no audible distortion and Quad loudspeaker cable provides a properly engineered solution. For shorter runs and lower powers, Quad flat is ideal, it is easy to hide and comes only in beige. For higher powers and longer runs more copper is needed and Quad round should be used. This is a beefy cable and cannot be easily hidden so comes in a choice of several colours.



Specifications

Parameter	QLSF2 Flat	QLSR4 Round
Conductor area nominal	2. sq mm	4.0 sq mm
Conductor lay	80 strands 0.2mm dia.	126 strands 0.2mm dia.
Conductor format	Long weave braid	7x18 counter wound rope weave
Principal conductor	Drawn, annealed copper with less than 0.1ppm hydrogen	Drawn, annealed copper with less than 0.1ppm hydrogen
Outer insulation	Low temperature nitrile alloy with colour additives	Low temperature nitrile alloy with colour additives
Conductor insulation	Arctic flexibility grade, red and black	
Unit resistance at 25C	5.6mOhm/m	9.68mOhm/m
Unit inductance	654nH/m	560nH/m
Unit capacitance	57pF/m	141pF/m
Characteristic impedance	107 ohms	63 ohms
Size	12 x 2.5mm	12.5mm dia.
Unit weight	87g/m	240g/m

This chart will help you pick the right cable for your system

Amplifier power	Length of cable between amplifier and loudspeaker				
	Up to 3m	3m to 6m	6m to 12m	12m to 24m	24m to 100m
Up to 30w	Flat	Flat	Flat	Flat	Flat
30w to 70w	Flat	Flat	Flat	Flat or Round	Flat or Round
70w to 150w	Flat	Flat or Round	Flat or Round	Flat or Round	Round
150w to 300w	Flat or Round	Flat or Round	Round	Round	Round
300w -	Round	Round	Round	Round	Round