



cable

Silver Series Session Grade instrument cable



The Silver Series range comprises 3 unbalanced instrument cables engineered to have three specific capacitances. They are primarily for use for guitar and bass guitar to amplifier applications. The construction of these cables utilises a no compromise approach to materials and electrical characteristics; consequently flexibility is not a priority and these cables are aimed at recording rather than live performance.

Notes

- Within this range of cables capacitance is being used to produce different high frequency roll offs which affects the sound of the source instrument at its destination amplifier. Given the relatively low output level of a passive guitar pickup the cable can act as a high frequency roll off filter
- The exaggerated capacitive effects of these cables are only relevant with the comparatively low output level of passive guitar pick ups – the use of high output level active pickups will reduce the difference between these three cables
- Overall capacitive effects will of course change over distance; a 10m Lo-Cap 55 cable would have a total capacitance of 550 pF as would a 4.4 metre Hi-Cap 125. Shorter lengths (up to 5 metres) are recommended for these cables but where a longer run is required a lower capacitance cable should be considered for use

The range comprises the following cables:

- Lo-Cap 55: 55 p/F per metre. Low capacitance figure gives low high frequency roll off
- Flat-Cap 90: 90 p/F per metre. Mid range capacitance figure gives average high frequency roll off
- Hi-Cap 125: 125 p/F per metre. Higher capacitance figure gives more high frequency roll off

silver series

Mechanical specification

		Lo-Cap 55	Flat-Cap 90	Hi-Cap 125
Conductor	Material	Bare silver plated ultra pure oxygen free copper wire		
	Size	0.49mm ²	0.29mm ²	0.63mm ²
	Stranding	7 x 9 x 0.10mm	37 x 0.10mm	50 x 0.127mm
Insulation	Material	Foamed Polyethylene		
	Diameter	6.00mm	2.55mm	2.70mm
Screen 1	Type	Conductive thermoplastic		
	Average thickness	0.30mm	0.30mm	0.30mm
Screen 2	Type	Bare silver plated ultra pure oxygen free copper wire		
	Stranding	24x10x0.10mm	16x8x0.12mm	16x8x0.12mm
Jacket	Material	Flexible clear PVC		
	Average thickness	0.75mm	1.20mm	1.10mm
	Overall diameter	8.50mm	6.00mm	6.00mm
Physical properties unaged Jacket (at 60°C)	Tensile strength	>8N/mm ²		
	Elongation	>250%		
	Heat shock test	120 °C x 1 hour – no cracks		
	Test voltage	1000 Vdc x 1 minute OK		
Electrical characteristics				
Resistance	Conductor - Ohm/Km	36	62	27
	Insulation - M Ohm/Km	>5000	>5000	>5000
Capacitance	Core to shield pF/m	55	90	125

- Maximum reel length 100 metres