

## Satellite Link Cable

The Digital Projection Satellite Link Cable (SLC) is a bespoke high performance optical conductor, delivering up to 40,000 Lumens to remote projection Heads over tens of metres. The SLC contains glass fibre for low loss delivery of high energy light from Modular Light Sources (MLS). Multiple MLS's can be combined within the fibre, without the need for additional hardware.



The SLC carries RGB Laser light for wide colour gamut image reproduction from discrete narrowband wavelengths. Any variations in attenuation of individual wavelengths due to the length of the SLC, are automatically compensated with the colour feedback system employed across the Satellite Modular Laser System.

The SLC has a bespoke interface for connectivity of both the illumination and electrical circuits combined into a single connector.



The SLC also carries built-in safety systems in the form of interlocks and thermal sensing for protection of all elements of the system. Any break in the interlock will instantly shut down the Laser light source(s). A thermal sensing system running the length of the SLC will detect any over temperature should a break in the fibre cause a local hot spot. This in turn will also instantly shut down the Laser light source.

The fibre is further protected with a multilayer jacket to make it robust.