



ALVERN CABLES

### Construction

A high tensile galvanised wire extruded with a high dielectric strength virgin grade natural linear low density polyethylene and oversheathed with a 2.5% carbon loaded high performance weather, cut and abrasion resistant linear low density polyethylene, sheathed with cut & abrasion resistant linear low density polyethylene (LLDPE) which resists a broad spectrum of chemicals and soil acids.

### Applications

For the feeding and interconnection of high voltage pulses in all types of high voltage security fencing systems where continuity is required under roads and gates.

Specification	(In-house Specification)
Voltage Rating	25000 Volts (pulsed)
Test Voltage	6000 Volts
Current Capacity AC	As per table below
Temperature Range	-10° to +115°C
Flexibility Class	1
Conductor Type	2.0mm diameter galvanised wire
Insulation Material	LLDPE (Linear low density polyethylene)
Sheath Material	2.5% Carbon Loaded High Performance Linear low density polyethylene
Sheath Colour	Black
Ductility	Min. 6% before break

### Packaging

Available in 25, 50, 100 and 200 metre shrink-wrapped coils and 1000 metre drums.

### TECHNICAL DATA

PRODUCT CODE	Conductor Dia mm <sup>2</sup>	Dielectric Thickness mm	Sheath Thickness mm	Nominal Dia mm	Mass kg/100m
UG2.0x1BK	2.0	1.0	1.20	6.4	5.43