

External Grade Shielded Steel Wire Armoured Cat6 Solid F/FTP SHF1 LSZH

Steel wire armour provides good mechanical protection, which means the cable can withstand higher stresses, be buried directly and be used in external or underground projects. SWA can also withstand higher pulling loads lowering the chance of the cable being broken during installation.

APPLICATIONS

- Direct burials
- Harsh environments

FEATURES

- Overall foil screen & screened pairs
- Armour Provides maximum rodent protection
- Excellent crush resistance
- Tough SHF1 LSZH outer sheath
- 450MHz exceeds Cat6 requirements

OPTIONS

- Available cut to your required length

BENEFITS

- Excellent EMI Immunity
- Suitable for external & internal installations
- Can be installed vertically

The main advantage of this cable is that it has Steel Wire Armour (SWA) which makes it suitable for all external applications even in the harshest of environments. As well as being tough enough to pull through ducts, directly bury in the ground or install in any environment susceptible to vandalism, the cable also protects against moisture and is extremely rodent resistant. The outer sheath is also low smoke zero halogen making it safe to install internally also.

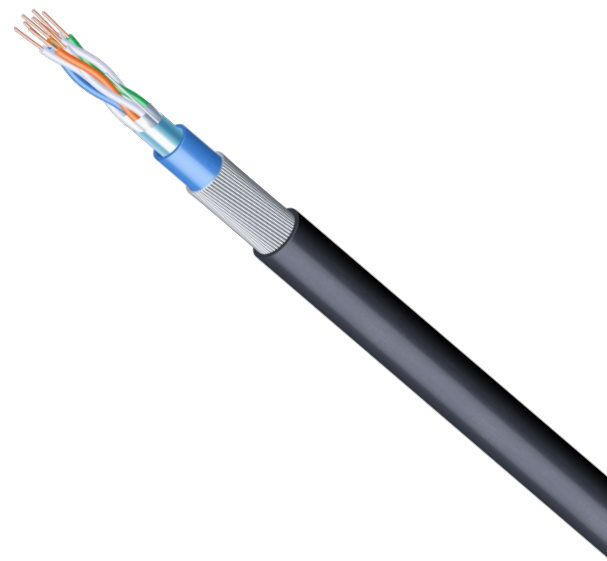
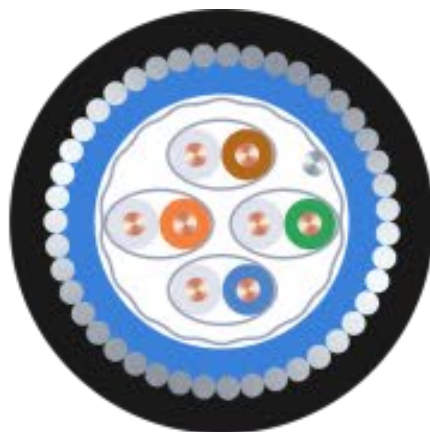
TERMINATION

The conductors are solid copper so can be terminated into a Keystone Jack, certain RJ45 plugs, or punched down into a faceplate socket or joined to a more flexible cable using an IDC connection box.

Underneath the armour layer is an LSZH cable so for ease of routing and termination once inside a building the armouring can be removed.



Armoured Cat6 F/FTP cross section



CABLE SPECIFICATIONS

Cable characteristics	
Installation Temperature Range:	-0 °C to +50 °C
Operating Temperature Range	-20 °C to +60 °C
Minimum Bend Radius:	10x diameter
Max Reel Size:	1000m
Approximate Weight	175kg per km

Standards
Flame retardant to IEC 60332-3-22 (Cat A)
Non Corrosive to IEC 60754-2
Low Smoke to IEC 61034
EIA/TIA 568-B.2-1
ISO/IEC 11801 2nd ed; IEC 61156-5
EN 50173; EN 50288-5

Nominal Diameters	
23AWG Solid Conductor	0.56mm
PE Insulation	1.20mm
Twisting	2 Cores
Lay Up	4 Pairs
Violet LSZH Inner Sheath	7.20mm
Galvanised Steel Wire Armour	8.94mm
Black LSZH Outer Sheath	11.74mm

Construction
23AWG Solid Plain Annealed Copper Conductor
Extruded PE Insulation (Polyethylene)
2 Cores twisted together to form a pair & Taped with Aluminium/Polyester Screen
4 Pairs Laid Up and Taped with Overall Aluminium/Polyester Screen in contact with Tinned Copper Drain Wire
LSZH (Low Smoke Zero Halogen) Inner Sheath, Blue
Galvanised Steel Wire Armour
SHF1 LSZH Outer Sheath to IEC 60092-359, Black



Universal part number	FFTPC6-LSSOL-SWA
Cut to order	Any length up to 1km

