

## ECS shielded S/FTP Category 6A cable LSOH

| Part number | Description                                   |
|-------------|---|
| SFC6A       | ECS cabel S/FTP Cat.6A LSOH White 500mtr Reel |

### Description

Shielded S/FTP halogen free solid Category 6A cable for indoor use, equipped with a thinned copper wire braid wrapped over the twinning and aluminium backed polyester tape on every pair.

### Standards

The cable's performance exceeds Category 6A requirements of ISO / IEC 11801: IEC 61156-5; EN50173: EN50288-5-1; TIA / EIA 568B.2-10 IEC 61156-5; ANSI/TIA-568-C.2

Complies with the requirement for coupling attenuation for segregation classification D according to EN 50174-2

RoHS/ RoHS-2 compliance according to DIRECTIVE 2011/65/EU

### Dimension

Conductor: 23 AWG  
 Conductor outer diameter:  $\varnothing$  1.3mm +/-0,03  
 Outer diameter cable: nom. 7.8mm +/-0.3 mm

### Temperature Requirements

Operating: -30° C to 70° C  
 Min. installation: -10° C

### Min. bend radius

During installation: 8X  $\varnothing$   
 Operating: 4X  $\varnothing$

### Fire rating

CPR class Dca-s1a,d2,a1 EN 50575:2014 IEC 60332-1

### Electrical parameters

DC loop resistance at 20°C (max): 145 $\Omega$ /km  
 Insulation resistance (min): 2G $\Omega$ xkm  
 Resistance unbalance within a pair:  $\leq$ 2%  
 Mutual capacitance at 1 kHz: 45 $\pm$ 5nF/km  
 Capacitance unbalance pair to ground at 1kHz (max): 1600pF/km  
 Nominal voltage: 150V  
 Test voltage at 1 min.:  
 AC 50 Hz: 700V  
 DC: 1000V  
 Characteristic impedance at 100MHz: 100 $\pm$ 5 $\Omega$   
 NVP value: 77%  
 Coupling attenuation within the range of 30+100 MHz (min.): 80dB  
 Transfer impedance at 10MHz (max): 100m $\Omega$ /m

