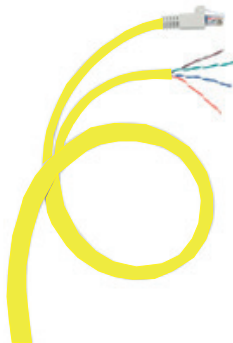


## Cat.6A LSZH RJ45/STRIPPED cords

Catalogue numbers: 0 517 86/87/88



### 1. USE

Cat.6A RJ 45/wire (single-core cable) cords for S/FTP zone distribution box.

Clip into zone distribution boxes and connect to the LCS<sup>2</sup> connector on an RJ 45 socket via the stripped end.

Cords prepared in factory, "ready for wiring".

Yellow RAL 1018



### 2. RANGE

Cat. Nos.	Length (m)	Type	Type of sleeve
0 517 86	8	S/FTP	LSZH
0 517 87	15		
0 517 88	20		

### 3. CORD MARKINGS

- LEGRAND
- Catalogue number
- Gauge
- Type
- Impedance
- Type of sleeve
- Category

### 4. PERFORMANCE AT 500 MHZ

Performance of cords in system (on site tester)

Maximum recommended lengths to ensure optimum performance of the system, using RJ45 sockets:

	Length associated with the cord lengths (m)		Links
	Cords	Cables	
Cat. 6A	8	70	78
	15	60	75
	20	55	75

Performance in the system at 500 MHz (standard 11801 PL3 Class E <sub>9</sub> )	
Attenuation (dB)	42.1
Minimum NEXT (dB)	27.8
PS NEXT (dB)	24.8
ACR-F (dB)	10.2
PS ACR-F (dB)	7.2
Return Loss (dB)	8

### 5. TECHNICAL AND MECHANICAL CHARACTERISTICS

Type	S/FTP
Type of sleeve	LSZH
Number of pairs	4
Assembly	Pairs
Diameter over insulation (mm)	0.95
Cable diameter (mm)	6
AWG gauge	26
Min. bending radius when laying (mm)	24
Tensile strength of the cord	≥ 50N
Number of twists	500
Number of insertions	750

**6. ELECTRICAL CHARACTERISTICS AT 20°C**

Loop resistance	< 10 $\Omega$
Contact resistance	< 20 m $\Omega$
Total resistance of the cord	< 10 $\Omega$
Resistance per 100 m of cable with cords	< 25 $\Omega$
DC dielectric strength	1 KV/1 min
Characteristic impedance from 1 to 500 MHz	100 $\Omega$ $\pm$ 25

**7. ENVIRONMENTAL CHARACTERISTICS**

Storage and transport temperature: 0 to + 50°C

Operating temperature: - 20 to + 60°C

Fire resistance: IEC 60332-1, UL VW-1

**8. STANDARDS AND APPROVALS**

ANSI/TIA 568-C.2

EN 50173-1

ISO/IEC 11801 Ed. 2.0