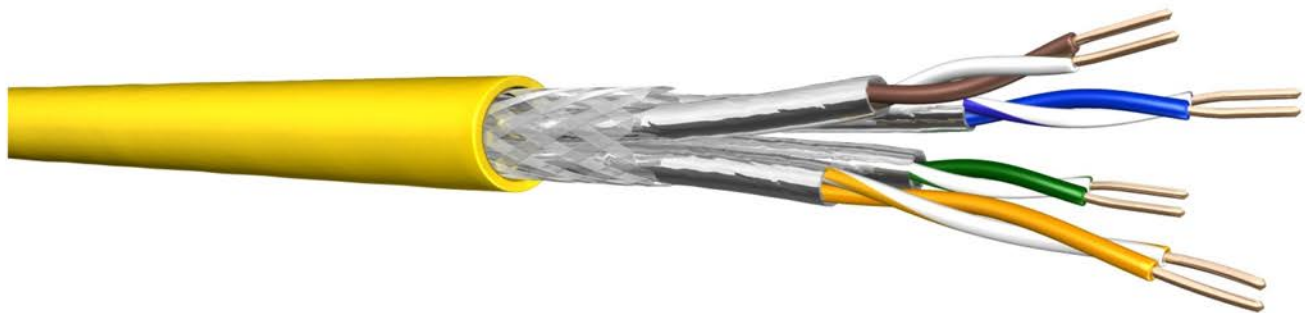


## S/FTP Cat8.2 LSHF-FR 2000 MHz



### Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)  
 IEEE 802.3: 10Base-T, 100Base-T, 1000Base-T, 10GBase-T; 40GBase-T  
 ISDN, TPDDI, ATM, CATV, Broadband Video, SOHO-Cabling  
 Power over Ethernet (PoE) / PoE+

### Standards

EN 50173-1; ISO/IEC 11801; EN 50288-9-1; IEC 61156-5; IEC 61156-9  
 IEEE 802.3af; IEEE 802.3at; IEEE 802.3bt

### Fire rating

EN 50399: Class D<sub>ca</sub>s1d1a1; Class E<sub>ca</sub>  
 LSHF-FR(FRNC): IEC 60332-3-24; IEC 60332-1; 60754-2; IEC 61034

### Construction

Conductor	Bare copper wire Ø 0.64 mm (AWG22)
Insulation	Foam-Skin Polyethylen, Ø 1.6 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Pair screen	Al-laminated plastic foil around each pair
Overall screen	Copper braid, tinned
Sheath	Halogen free, fire retardant sheathing material; LSHF-FR acc. EN50289-2-27, yellow RAL 1021

### Mechanical Properties

Bending radius	Installation	4 x D
	Installed	8 x D
Temperature range	During operation	-20°C to + 60°C
	During installation	0°C to + 50°C