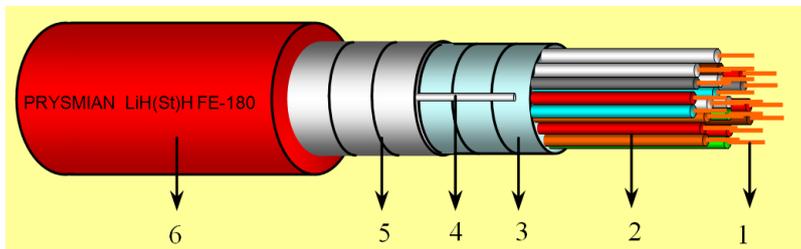


## Wiring cables for telecom and information processing systems

LiH(St)H FE-180



- 1 Copper conductor
- 2 Colored LSZH insulation
- 3 Plastic Core wrap
- 4 Earth wire
- 5 Plastic backed Alu. tape
- 6 Red LSZH sheath

### Cable construction

The cable consists of stranded multiwire copper conductors with glass-fiber tape and halogen free polymer material. The cable core consists of insulated conductors or pairs laid up in layers. The cable core is wrapped with plastic tape (optional), longitudinally earth wire, 1 layer plastic backed Aluminium tape screen (Metal side in) and a red (RAL 3000) LSZH sheath applied on the cable core.

Sheath thickness according to ÜBM-BK-03-028

### Applications

These cables are used for signal transmission at fixed indoor installation with screen to protect the electrical interferences.

### Technical Data

For cables

Temperature for stationary condition -30°C - +70°C  
 Temperature for moving condition -5°C - +50°C

In dry and humid premises; may be embedded in plaster. These cables are not permissible in power installations and laying underground. Cable printing will be as below with the exception of any different requirements from the customer.

PRYSMIAN Cable type Number of cores or pairs, conductor diameter and meter marking <> TSEK

### Electrical Characteristics

Following values are guaranteed at +20°C

Cross section (mm <sup>2</sup> )	Nom. insulation thickness (mm)	Max conductor resistance at 20°C M.Ω.km		Min. insulation resistance at 20°C M.Ω.km	Test Voltage Vaa (1 minute)
0,75	0,4	25,4	26,0	200	1200
1,00		19,1	19,5		
1,50	0,5	13,0	13,3		2500
2,50		7,8	7,98		

Flammability: in accordance with IEC 60332-1 (single cable) and IEC 60331

Smoke evolution: in accordance with IEC 61034

Halogen gas generation: in accordance with IEC 60754

### SIGNAL and CONTROL cables

LIHCH FE-180

#### Cable Core Construction

Insulated conductors or pairs are laid up in layers according to following format and layers are stranded in the same direction.

Number of cores	1st layer	2nd layer	3rd layer
2	2		
3	3		
4	4		
5	5		
6	1	5	
7	1	6	
8	2	6	
9	2	7	
10	3	7	
11	3	8	
12	3	9	
13	4	9	

Number of cores	1st layer	2nd layer	3rd layer
14	4	10	
15	1	5	9
16	1	5	10
17	1	6	10
18	2	6	10
19	1	6	12
20	1	6	13
21	2	6	13
22	1	8	13
23	1	8	14
24	3	9	12
25	3	9	13

#### Colour of insulation

Insulation colours of core will be in accordance to ÜBM-03-BK-028 or following sequence

Number of cores	Colour of insulation	
	Basic colour	Code Colour
1	White	
2	Brown	
3	Green	
4	Yellow	
5	Gray	
6	Pink	
7	Blue	
8	Red	
9	Black	
10	Violet	
11	Gray	Pink
12	Red	Blue
13	White	Green

Number of cores	Colour of insulation	
	Basic colour	Code Colour
14	Brown	Green
15	White	Yellow
16	Yellow	Brown
17	White	Hray
18	Gray	Brown
19	White	Pink
20	Pink	Brown
21	White	Blue
22	Brown	Blue
23	White	Red
24	Brown	Red
25	White	Black

Picture of code



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