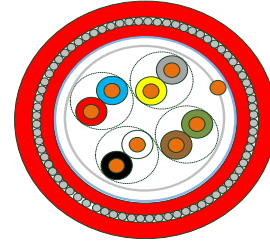


## JB-H(St)H FE-180 PH120

## 225V

Ref. Std. VDE 0815



Flame retardant characteristic  
 Low smoke emission  
 Circuit integrity (FE 180)  
 Circuit integrity with shock (PH 120)

### Application

- In places where electro-magnetic interference and influence exists
- Instrumentation and control engineering
- Industrial electronics
- In safety and fire alarm systems
- In places where human life and valuable materials and equipment need to protected

### Construction

Conductor	DIN VDE 0295;IEC 60228;EN 60228 Cl 1 Electrolytic solid copper
Insulation	Special Silicone Compound
Colour code	VDE 0815
Stranding	2 pair star quad, more than 2 pairs groups in layers
Wrapping	Pet tape+Glass Fibre Tape
Screen	Tinned Copper Drain Wire+Aluminium/pet tape
Outer sheath	EN 50290-27 Lszh compound
Outer sheath colour	Ral 3000 Red (other colours on request)

### Technical characteristics

Conductor resistance		Insulation resistance	Operating voltage	Test voltage	Temperature range	Mutual capacity
mm <sup>2</sup>	Ω/km	MΩxkm	V	V	°C	nF/km
0,6	130	100	225V	0,6/0,8mm: 500V >1,0mm: 1000V	-40 °C+70 °C	120 (for up to two pairs+120)
0,8	73,2					
1	44,6					
1,5	24,6					
2,5	15					

### Fire performance tests

Flame retardant	Flame propagation	Smoke density	Corrosive gases	Halogen free	Circuit integrity (FE 180)	Circuit integrity with shock (PH 120)
IEC 60332-1-2 VDE 0482-332-1-2 EN 60332-1-2	IEC 60332-3-24 VDE 0482-332-3-24 EN 60332-3-24	IEC 61034-2 VDE 0482-1034-2 EN 61034-2	IEC 60754-2 VDE 0482-267-2-3 EN 60754-2	IEC 60754-1 VDE 0482-267-2-1 EN 60754-1	IEC 60331-23	EN 50200

Cable type / Cross-section	Outer diameter approx mm	Cable Weight (Kg/Km)
1x2x0.8+0.8mm	5,6±%10	46
2x2x0.8+0.8mm	6,1±%10	62
4x2x0.8+0.8mm	8,5±%10	104
8x2x0.8+0.8mm	13,9±%10	206
12x2x0.8+0.8mm	15,4±%10	278
20x2x0.8+0.8mm	19,9±%10	454
1x2x1.0+0.6mm	5,9±%10	52
2x2x1.0+0.8mm	6,6±%10	78
4x2x1.0+0.8mm	9,5±%10	137
1x2x1.5+0.8mm	7,0±%10	77
2x2x1.5+0.8mm	8,0±%10	120
4x2x1.5+0.8mm	11,9±%10	217
1x2x2.5+0.8mm	7,9±%10	104