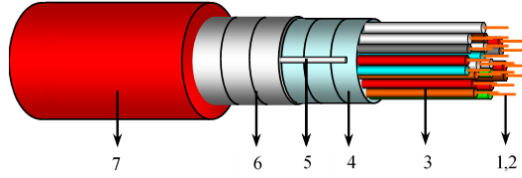


JE-H(St)H...Bd FE180 PH120



- 1- Copper conductor
- 2- Fire barrier
- 3- Colored LSZH insulation
- 4- Plastic core wrap
- 5- Earth wire (Tin coated Cu)
- 6- Plastic backed Alu. Tape
- 7- Red LSZH sheath

- Cable Drawing and Layers -

Cable Construction	The cable consists of copper conductors with glass-fiber tape and LSZH insulated. Two insulated conductors will be uniformly twisted together to form a pair. The pairs are stranded in sub-units (4 Pairs) and sub-units are stranded together to form the cable core (two pairs as star quad). The cable core is wrapped with plastic tape, longitudinally earth wire, 1 layer plastic backed aluminium tape screen (metal side in) and a red LSZH sheath is applied on the cable core. Outer sheath thickness will be according to TS 13767.
Applications	These cables are used indoors as data transmission cables in otomation systems and in the electronic control technology.
Technical Data & Marking	<p>For cables</p> <p>Installation Temperature -5 °C, +50°C</p> <p>Storage Temperature -30 °C, +70°C</p> <p>Cable printing will be as below with the exception of any different requirement from the customer.</p> <p>□ DRAKA FP SILVER, Number of pairs, conductor diameter, <> TSE <> TS 13767 production year, meter marking</p> <p>***<> TSE <> TS 13767 will be marked for only cables with 0,8mm conductor.</p>

Electrical Characteristics			Following values are guaranteed at +20 °C.				
Conductor diameter (mm)	Max. Capacitance (nF/km)	Max. conductor resistance (Ω/km)	Min. insulation resistance (M.Ω.km)	Capacitance unbalance pF/100m at 800 Hz	Test Voltage Vaa (1 minute)		Operating voltage (V)
					Conductor to conductor	Conductor to screen	
0,80 mm	120 ¹	36,6	100	200 ²	500	2000	225
1 mm	120 ¹	23,4	100	200 ²	500	2000	225
1,5 mm ²	120 ¹	12,1	100	200 ²	500	2000	225
2,5mm ²	120 ¹	7,41	100	200 ²	500	2000	225

¹) For cables with up to 4 pairs, the values may be exceeded by 20%

²) 20% of the values, but not less than one value, may be up to 400pF



Minimum İşletme Sıcaklığı
Minimum Operating Temperature



Maksimum İşletme Sıcaklığı
Maximum Operating Temperature



Kurşunsuz
Lead Free



Bükülme Yarıçapı
Bending Radius
Min 10xD



Halojenden Arındırılmış
Halogen Free
IEC 60754-1/2



Düşük Duman Yoğunluğu
Low Smoke Emission
IEC 61034-1/2



Aleve Dayanıklılık
Flame Retardant
IEC 60332-1-2



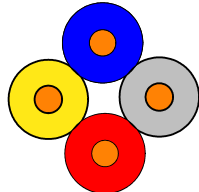
Yangına Dayanıklı
Fire Resistance
IEC 60331-21



Yangına Dayanıklı
Fire Resistance
EN 50200 PH120

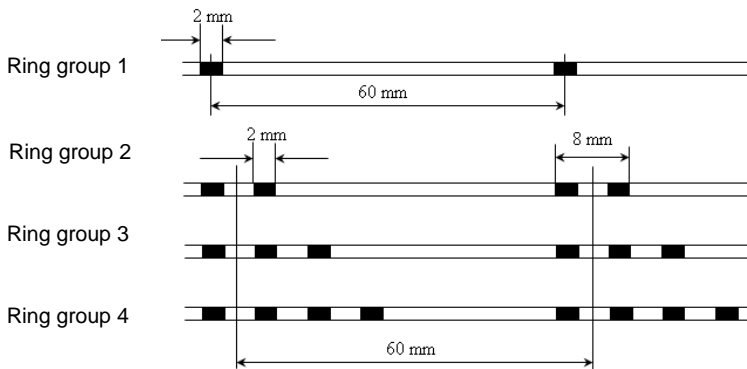
Information and data contained in the chart are prepared with due diligence and long analysis, accuracy of which is guaranteed within the integrity of whole information and data. Even the tiniest amendment will trigger repetition of the same procedure. Therefore, if a change is requested on data, you are requested to apply to Prysmian with such request, drawing specific attention to the planned changes. Upon which Prysmian shall approve in writing by repeating the same analysis procedure. Prysmian, shall not be held liable from changes made unilaterally, without following the due procedure. No action by Prysmian, shall be construed as implicit approval to such changes.

Cable Core Construction

Number of Pairs	Number of units in layer			1) In star quad stranding 
	1 st Layer	2 nd Layer	3 rd Layer	
2 ¹				
4	1			
8	2			
12	3			
16	4			
20	5			
24	1	5		
28	1	6		
32	2	6		
36	2	7		
40	3	7		

Colour of insulation according to VDE 0815								
Number of pairs	1		2		3		4	
Core	a-wire	b-wire	a-wire	b-wire	a-wire	b-wire	a-wire	b-wire
Base colour	Blue	Red	Gray	Yellow	Green	Brown	White	Black

Picture of code(*)



Unit identification

Number of unit	Ring colour	Ring group	Binding colour
1	Pink	I	White
2		II	
3		III	
4		IIII	
5	Orange	I	White
6		II	
7		III	
8		IIII	
9	Violet	I	White
10		II	

*Coding will be applied for >4 pairs.

Additional Information

Cable Crossection	Cable Dia (Approx.) (mm)	Cable Weight (Approx.) (kg/km)	Delivery Length (m)	Drum Type
1x2x0,8mm+0,8mm	6,5	47	500	Plastic Drum
2x2x0,8mm+0,8mm	7,4	71	500	Plastic Drum
4x2x0,8mm+0,8mm	10,2	122	500	Plastic Drum
1x2x1mm+0,8mm	6,9	57	500	Plastic Drum
2x2x1mm+0,8mm	7,9	89	500	Plastic Drum
4x2x1mm+0,8mm	11	155	500	Plastic Drum
1x2x1,5mm ² +0,8mm	7,6	72	500	Plastic Drum

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