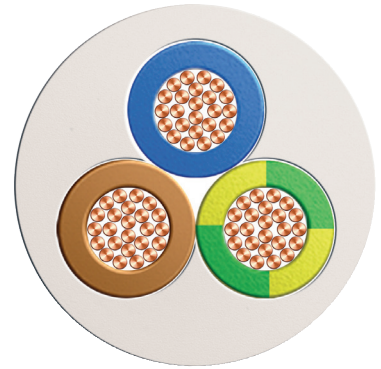


# H05BN4-F

90°C 300/500 V

## Application

For mains supply or extension lead for portable or fixed equipment operating in high temperature zones. Particularly suitable for applications where contamination by oil and grease may occur.



## Cable Design

### Core

Conductor	Flexible Class 5 tinned copper conductors to BS EN 60228
Insulation	EPR insulation Type EI.7 to BS7655

### Formation

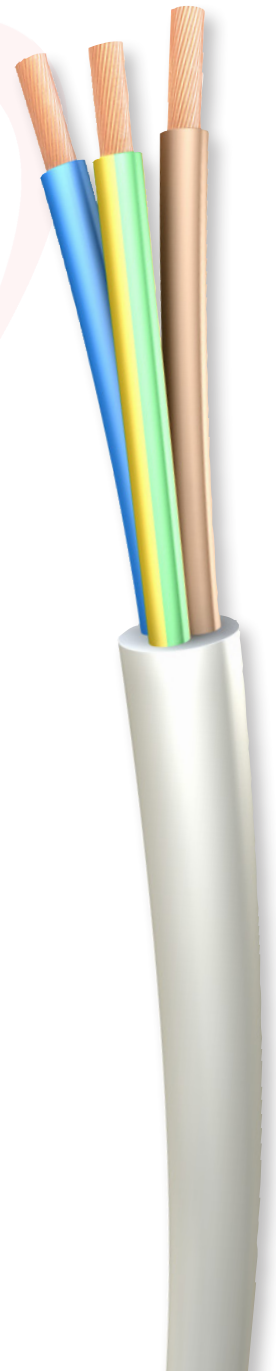
	Cores stranded in layers
No. of Cores	2, 3, 4 or 5
Core Identification	2 core - blue, brown 3 core - green/yellow, blue, brown 4 core - green/yellow, brown, black, grey 5 core - green/yellow, brown, black, grey, blue

### Outer Jacket

H.O.F.R sheath Type EM.7 to BS EN 50363-2-1 (black or white)

## Characteristics

Flame retardant	to BS EN 60332-1-2
Temperature Rating	90°C maximum conductor operating temperature
Voltage Rating	300/500 V



# H05BN4-F

## 90°C 300/500 V

### Electrical Data @ 20°C

Nominal Conductor Area <i>mm<sup>2</sup></i>	Nominal Conductor Stranding <i>#/mm</i>	Insulation Thickness <i>mm</i>	Minimum Ø <i>mm</i>	Maximum Ø <i>mm</i>	Approximate Cable Weight <i>kg/km</i>
Twin Core					
0,5	16/0,2	0,6	5,4	7,1	51
0,75	24/0,2	0,6	5,7	7,4	61
1,0	32/0,2	0,6	6,1	8,0	74
1,5	30/0,25	0,8	7,6	9,8	110
2,5	50/0,25	0,9	9,0	11,6	156
Three Core					
0,5	16/0,2	0,6	5,7	7,5	60
0,75	24/0,2	0,6	6,2	8,1	75
1,0	32/0,2	0,6	6,5	8,5	88
1,5	30/0,25	0,8	8,0	10,4	132
2,5	50/0,25	0,9	9,6	12,4	189
Four Core					
0,75	24/0,2	0,6	6,8	8,8	91
1,0	32/0,2	0,6	7,1	9,3	107
1,5	30/0,25	0,8	9,0	11,6	166
2,5	50/0,25	0,9	10,7	13,8	240
Five Core					
0,75	24/0,2	0,6	7,6	9,9	112
1,0	32/0,2	0,6	8,0	10,3	131
1,5	30/0,25	0,8	9,8	12,7	197
2,5	50/0,25	0,9	11,9	15,3	280

*H05BN4-F only valid in sizes 0.75 and 1.0sqmm in Two and Three core only.*

*Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact details can be confirmed at point of enquiry*