

H05RR-F Cable

Eland Product Group **A5H**

Application

For general purposes in domestic areas, kitchens, offices and to feed portable devices subjected to weak mechanical stresses e.g. exhaust fans, kitchen appliances, soldering irons, and toasters.



Standards

CEI 20-19/4 / 20-35 (EN60332-1),
CENELEC HD 22.4 S2

Conductor

Class 5 flexible plain or tinned copper to BS EN 60228

Insulation

Elastomeric Type E14

Sheath

Elastomeric Type EM3

Sheath Colour

Black

Voltage Rating

300/500 V

Temperature Rating

Conductor operating temperature
-25°C to +60°C

Maximum short circuit temperature
+200°C

Minimum Bending Radius

Fixed: 6 x Overall Diameter

Flexing: 8 x Overall Diameter

Core Identification

Single core: Black

2 cores: Blue, Brown

3 cores: Brown, Black, Grey

(or Blue, Brown, Green/Yellow)

4 cores: Blue, Brown, Black, Grey

(or Green/Yellow instead of blue)

5 cores: Green/Yellow, Blue, Brown,

Black, Grey (or Black instead of

Green/Yellow)

Dimensions

Eland Part Number	No. of Cores x Nominal Cross Sectional Area # x mm ²	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
H05RR-F Cable - 2 Cores				
A5H020075	2 x 0.75	0.6	6.55	51
A5H02010	2 x 1.00	0.6	7.05	64
A5H02015	2 x 1.50	0.8	8.70	91
A5H02025	2 x 2.50	0.9	10.25	132
H05RR-F Cable - 3 Cores				
A5H030075	3 x 0.75	0.6	7.15	65
A5H03010	3 x 1.00	0.8	7.50	78
A5H03015	3 x 1.50	0.9	9.20	110
H05RR-F Cable - 4 Cores				
A5H040075	4 x 0.75	0.6	7.80	78
A5H04015	4 x 1.50	0.8	10.30	139
H05RR-F Cable - 5 Cores				
A5H05025	5 x 2.50	0.9	13.15	251

Conductors

Class 5 flexible Copper Conductors for Single Core and Multi-Core Cables

1	2	3	4
Nominal Cross Sectional Area mm ²	Maximum Diameter of Wires in Conductor mm	Maximum Resistance of Conductor at 20°C	
		Plain Wires ohms/Km	Metal-Coated Wires ohms/Km
0.75	0.21	26.0000	26.7000
1.00	0.21	19.5000	20.0000
1.50	0.26	13.3000	13.7000
2.50	0.26	7.9800	8.2100

Table in accordance with BS EN 60228:2005 (previously BS6360)

Electrical Characteristics

Nominal Cross Sectional Area mm ²	Current Carrying Capacity amps	Voltage Drop	
		DC or Single Phase AC mV/A/m	Three Phase AC mV/A/m
0.75	6	62	54
1.00	10	46	40
1.50	16	32	27
2.50	20	19	16