

DIMENSIONS

H05V-K

Nominal Cross Sectional Area mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
0.5	2.2	9
0.75	2.4	11
1	2.5	14

H07V-K

Nominal Cross Sectional Area mm ²	Nominal Overall Diameter mm	Nominal Weight kg/km
1.5	2.9	20
2.5	3.6	31
4	4.1	46
6	4.7	75
10	6.1	125
16	7.3	199
25	9	299
35	10.2	421
50	12.1	539
70	13.8	730
95	16.3	973

Eland Part No. shown above designate the sheath colour (). For each colour substitute * for a colour code as listed below. e.g. A3XRD0015 = 1.5mm² Red

COLOUR	Black	Blue	Grey	Green/Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

CONDUCTORS

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

Nominal Crosssectional 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
0.5	0.21	39	40.1
0.75	0.21	26	26.7
1	0.21	19.5	20
1.5	0.26	13.3	13.7
2.5	0.26	7.98	8.21
4	0.31	4.95	5.09
6	0.31	3.3	3.39
10	0.41	1.91	1.95
16	0.41	1.21	1.24
25	0.41	0.78	0.795
35	0.41	0.554	0.565
50	0.41	0.386	0.393
70	0.51	0.272	0.277
95	0.51	0.206	0.21

ELECTRICAL CHARACTERISTICS

Nominal Cross Sectional Area mm ²	In A Thermal Insulated Wall		On A Wall		In Free Air
	2 Core Amps	3 Core Amps	2 Core Amps	3 Core Amps	1 Core Amps
0.5	-	-	-	-	-
0.75	-	-	-	-	15
1	-	-	-	-	19
1.5	14.5	13.5	17.5	15.5	24
2.5	19.5	18	24	21	32
4	26	24	32	28	42
6	34	31	41	36	54
10	46	42	57	50	73
16	61	56	76	68	98
25	80	73	101	89	129
35	99	89	125	110	158
50	119	108	151	134	198
70	151	136	192	171	245
95	182	164	232	207	292

DE-RATING FACTORS

Ambient Temperature	10°C	15°C	20°C	25°C	30°C	35°C	40°C	45°C	50°C	55°C	60°C
De-Rating Factor	1.22	1.17	1.12	1.06	1.00	0.94	0.87	0.79	0.71	0.61	0.50