

# HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

## SPECIFICATION DATA SHEET

### CABLE TYPE

POLYIMIDE INSULATED EQUIPMENT WIRE TYPE 3 UNSCREENED

### GENERAL DESCRIPTION

SILVER AND NICKEL PLATED COPPER CONDUCTORS,  
POLYIMIDE INSULATED.

### RELEVANT STANDARDS

INTERNAL HEATSENSE SPECIFICATION.

Heatsense Part Number	Conductor Details				Insulation Thickness	Overall Diameter		Conductor Resistance ( $\Omega$ /km @ 20°C)		Mass Max. (kg/km)	Long term current rating Max. *(A)
	# S for SPCW # N for NPCW	Size AWG	Stranding (mm)	O/D (mm)		Area (mm <sup>2</sup> )	Nominal (mm)	Min. (mm)	Max. (mm)		
HSK30#A3.	30	01/0.250	0.25	0.049	0.18	0.52	0.70	377.00	387.00	0.67	2.0
HSK28#A3.	28	01/0.320	0.32	0.080	0.18	0.59	0.77	229.00	234.00	0.99	3.0
HSK26#A3.	26	01/0.400	0.40	0.126	0.18	0.67	0.85	146.00	148.00	1.44	4.0
HSK22#A3.	22	01/0.600	0.60	0.283	0.18	0.87	1.05	64.30	65.00	2.98	7.0
HSK19#A3.	19	01/0.900	0.90	0.636	0.18	1.17	1.35	28.50	28.60	6.37	12.0
HSK32#B3.	32	07/0.080	0.24	0.035	0.18	0.51	0.69	558.00	605.00	0.53	1.5
HSK30#B3.	30	07/0.100	0.30	0.055	0.18	0.57	0.75	353.00	377.00	0.75	2.0
HSK28#B3.	28	07/0.120	0.36	0.079	0.18	0.63	0.81	244.00	258.00	1.00	3.0
HSK26#B3.	26	07/0.150	0.45	0.124	0.18	0.72	0.90	159.00	166.00	1.45	4.0
HSK24#B3.	24	07/0.200	0.60	0.220	0.18	0.87	1.05	88.30	91.20	2.41	6.0
HSK26#C3.	26	19/0.100	0.50	0.149	0.18	0.77	0.95	130.00	139.00	1.71	5.0
HSK22#C3.	22	19/0.150	0.75	0.336	0.18	1.02	1.20	58.60	61.30	3.55	8.0
HSK20#C3.	20	19/0.200	1.00	0.597	0.18	1.27	1.45	32.50	33.60	6.06	11.0
HSK18#C3.	18	19/0.250	1.25	0.933	0.18	1.52	1.70	20.6	21.20	9.26	15.0
HSK16#C3.	16	19/0.300	1.50	1.343	0.18	1.77	1.95	14.30	14.60	13.13	20.0
HSK14#C3.	14	19/0.335	1.68	1.675	0.18	1.95	2.13	11.40	11.60	16.24	23.0
HSK12#C3.	12	19/0.450	2.25	3.022	0.18	2.52	2.70	6.28	6.38	28.78	35.0
HSK10#D3.	10	37/0.400	2.80	4.650	0.18	3.07	3.25	4.01	4.08	43.87	47.0

\*Current ratings are based on a temperature rise of 40°C (single wire in free air)

Standard colour is natural (amber) but all wires can be coloured or striped on request.

### CABLE CHARACTERISTICS

RADIATION RESISTANCE:

10 MEGARADS

VOLTAGE RATING:

1000 V rms

TEMPERATURE RATING:

-75°C to +200°C for SILVER plated copper conductors

-75°C to +200°C for NICKEL plated copper conductors

**All wire sizes/colours are RoHS and REACH compliant**

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