

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

SPECIFICATION DATA SHEET

CABLE TYPE

RADIATION RESISTANT PEI EXTRUSION

GENERAL DESCRIPTION

SILVER OR NICKEL PLATED COPPER CONDUCTORS, HALOGEN FREE FLAME RETARDANT INSULATION ALSO OFFERING LOW SMOKE EMISSION AND TOXICITY, COUPLED WITH HIGH RADIATION RESISTANCE. COMPACT, LIGHTWEIGHT INSULATION SYSTEM.

RELEVANT STANDARDS

INTERNAL HEATSENSE SPECIFICATION.

Conductor Details				Insulation Thickness	Overall Diameter	Conductor Resistance (Ω/km @ 20°C)	Mass	Long term current rating	Heatsense Product Reference *S = SPCW *N=NPCW
Size AWG	Stranding (mm)	O/D (mm)	Area (mm ²)	Nominal (mm)	Nominal (mm)	NPCW/SPCW (Max)	Nom. (kg/km)	Max. *(A)	
30	07/0.100	0.30	0.055	0.25	0.80	377/353	1.01	2.0	HSS30*BB
28	07/0.120	0.36	0.079	0.25	0.86	258/244	1.29	3.0	HSS28*BB
26	07/0.150	0.45	0.124	0.25	0.95	166/159	1.78	4.0	HSS26*BB
26	19/0.100	0.50	0.149	0.25	1.00	139/130	2.05	5.0	HSS26*CB
24	07/0.200	0.60	0.220	0.25	1.10	91.20/88.30	2.79	6.0	HSS24*BB
24	19/0.120	0.60	0.215	0.25	1.10	94.90/89.80	2.74	6.0	HSS24*CB
22	01/0.600	0.60	0.283	0.25	1.10	65.00/64.30	3.31	7.0	HSS22*AB
22	19/0.150	0.75	0.336	0.25	1.25	61.30/58.60	3.98	8.0	HSS22*CB
20	19/0.200	1.00	0.597	0.25	1.50	33.60/32.50	6.58	11.0	HSS20*CB
18	01/1.000	1.00	0.785	0.25	1.50	22.00/22.30	8.15	13.0	HSS18*AB
18	19/0.250	1.25	0.933	0.25	1.75	21.20/20.6	9.86	15.0	HSS18*CB
16	19/0.300	1.50	1.343	0.27	2.04	14.60/14.30	13.96	20.0	HSS16*CB
14	19/0.335	1.68	1.675	0.27	2.22	11.60/11.40	17.15	23.0	HSS14CB
12	19/0.450	2.25	3.022	0.30	2.85	6.38/6.28	30.26	35.0	HSS12*CB
10	37/0.400	2.80	4.650	0.30	3.40	4.08/4.01	45.64	47.0	HSS10*DB

*Current ratings are based on a temperature rise of 40°C (single wire in free air)
Colour is natural (amber).

Insulated wires can be screened or laid up into multi-core cables and over-sheathed with equally radiation resistant materials. Thermocouple versions are also available.

CABLE CHARACTERISTICS

VOLTAGE RATING:	600 V rms
TEMPERATURE RATING:	-60°C to +150°C
RADIATION RESISTANCE:	10 MEGARADS
CHEMICAL RESISTANCE:	EXCELLENT

All wire sizes/colours are RoHS and REACH compliant

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