

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

SPECIFICATION DATA SHEET

CABLE TYPE

PFA INSULATED EQUIPMENT WIRE

GENERAL DESCRIPTION

SILVER AND NICKEL PLATED COPPER CONDUCTORS,
PFA INSULATED TYPE C (SPCW) AND NC (NPCW).

RELEVANT STANDARDS

HEATSENSE INTERNAL SPECIFICATION BASED ON BS3G 210 TYPE C & NC

Heatsense Part Number *S for SPCW *N for NPCW	Conductor Details				Insulation Thickness		Overall Diameter		Conductor Resistance (Ω /km @ 20°C)		Mass	Long term current rating
	Size AWG	Stranding (mm)	O/D (mm)	Area (mm ²)	Min. (mm)	Nom. (mm)	Min. (mm)	Max. (mm)	SPCW (Max)	NPCW (Max)	Max. (kg/km)	Max. *(A)
HSA19*AC.	19	01/0.900	0.90	0.636	0.33	0.40	1.56	1.82	28.50	28.60	9.94	12.0
HSA32*BC.	32	07/0.080	0.24	0.035	0.33	0.40	0.90	1.16	558.00	605.00	2.52	1.5
HSA30*BC.	30	07/0.100	0.30	0.055	0.33	0.40	0.96	1.22	353.00	377.00	2.90	2.0
HSA28*BC.	28	07/0.120	0.36	0.079	0.33	0.40	1.02	1.28	244.00	258.00	3.31	3.0
HSA26*BC.	26	07/0.150	0.45	0.124	0.33	0.40	1.11	1.37	159.00	166.00	4.04	4.0
HSA24*BC.	24	07/0.200	0.60	0.220	0.33	0.40	1.26	1.52	88.30	91.20	5.42	6.0
HSA26*CC.	26	19/0.100	0.50	0.149	0.33	0.40	1.16	1.42	130.00	139.00	4.45	5.0
HSA24*CC.	24	19/0.120	0.60	0.215	0.33	0.40	1.26	1.52	89.80	94.90	5.36	6.0
HSA22*CC.	22	19/0.150	0.75	0.336	0.33	0.40	1.41	1.67	58.60	61.30	7.08	8.0
HSA20*CC.	20	19/0.200	1.00	0.597	0.33	0.40	1.66	1.92	32.50	33.60	10.33	11.0
HSA18*CC.	18	19/0.250	1.25	0.933	0.33	0.40	1.91	2.17	20.60	21.20	14.30	15.0
HSA16*CC.	16	19/0.300	1.50	1.343	0.33	0.40	2.16	2.46	14.30	14.60	19.25	20.0
HSA14*CC.	14	19/0.335	1.675	1.675	0.33	0.40	2.34	2.74	11.40	11.60	23.90	23.0
HSA12*CC.	12	19/0.450	2.25	3.022	0.33	0.40	2.91	3.31	6.28	6.38	38.50	35.0
HSA10*DC.	10	37/0.400	2.80	4.650	0.33	0.43	3.46	3.86	4.01	4.08	56.00	47.0

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

CABLE CHARACTERISTICS

VOLTAGE RATING:

1000 V rms

TEMPERATURE RATING:

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

-75°C to +260°C for NICKEL plated copper conductors

PFA is unaffected by oils, lubricants, hydraulic fluids and aircraft fuel. The material is non-flammable and is highly flexible. PFA wires are used in environments where the demands, whether thermal, electrical or mechanical, are severe. Available in 11 basic colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Pink plus natural.

All extruded wire sizes/colours are RoHS compliant

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