

# HEATSENSE®

## CABLES

Specialist High-Performance Solutions

### SPECIFICATION DATA SHEET

**CABLE TYPE**

PTFE INSULATED EQUIPMENT WIRE TYPE "EE"

**GENERAL DESCRIPTION**

SILVER PLATED COPPER CONDUCTORS,  
PTFE INSULATED, TAPED.

**RELEVANT STANDARDS**

MANUFACTURED AND TESTED IN ACCORDANCE  
WITH MIL-W-16878/22 AND NEMA HP-3 (M16878/5)

Heatsense Part Number:	Conductor Details				Overall Diameter		Conductor Resistance ( $\Omega$ /km @ 20°C) maximum	Mass
	Size AWG	Stranding (mm)	Stranding (AWG)	O.D. (mm)	Min. (mm)	Max. (mm)		Nominal (kg/km)
HSP32SA9.	32	01/0.203	1 x 32	0.203	0.87	1.07	554	1.83
HSP32SB9.	32	07/0.079	7 x 40	0.237	0.91	1.12	567	1.92
HSP30SA9.	30	01/0.254	1 x 30	0.254	0.91	1.12	354	2.13
HSP30SB9.	30	07/0.102	7 x 38	0.306	0.97	1.17	330	2.31
HSP28SA9.	28	01/0.320	1 x 28	0.320	0.99	1.19	223	2.59
HSP28SB9.	28	07/0.127	7 x 36	0.381	1.04	1.24	209	2.81
HSP28SC9.	28	19/0.079	19 x 40	0.381	1.04	1.24	207	2.9
HSP26SA9.	26	01/0.404	1 x 26	0.404	1.07	1.27	140	3.21
HSP26SB9.	26	07/0.160	7 x 34	0.480	1.14	1.35	133	3.57
HSP26SC9.	26	19/0.102	19 x 38	0.483	1.14	1.35	126	3.69
HSP24SA9.	24	01/0.511	1 x 24	0.511	1.17	1.37	87.9	4.17
HSP24SB9.	24	07/0.203	7 x 32	0.610	1.27	1.47	82.7	4.64
HSP24SC9.	24	19/0.127	19 x 36	0.610	1.27	1.47	79.7	4.73
HSP22SA9	22	01/0.643	1 x 22	0.643	1.30	1.52	54.0	5.66
HSP22SB9.	22	07/0.254	7 x 30	0.762	1.42	1.63	52.2	6.22
HSP22SC9.	22	19/0.160	19 x 34	0.762	1.42	1.63	49.5	6.43
HSP20SA9.	20	01/0.813	1 x 20	0.800	1.47	1.68	34.5	7.77
HSP20SB9.	20	07/0.320	7 x 28	0.960	1.63	1.83	32.8	8.69
HSP20SC9.	20	19/0.203	19 x 32	0.965	1.63	1.83	30.1	9.08
HSP18SC9.	18	19/0.254	19 x 30	1.190	1.88	2.13	19.0	12.9
HSP16SC9.	16	19/0.287	19 x 29	1.350	2.11	2.41	14.8	16.5
HSP14SC9.	14	19/0.361	19 x 27	1.700	2.49	2.90	9.45	24.4
HSP12SC9.	12	19/0.455	19 x 25	2.130	2.97	3.38	5.94	36.9
HSP10SD9	10	37/0.404	37 X 26	2.76	3.48	3.68	3.90	50.84

**CABLE CHARACTERISTICS**

VOLTAGE RATING: 1000 V rms  
TEMPERATURE RATING: -65°C to +200°C

PTFE is unaffected by oils, lubricants, hydraulic fluids and aircraft fuel. The material is non-flammable, resistant to solder iron damage and is highly flexible. Although widely used for high performance aerospace applications, PTFE wires are used in environments where the demands, whether thermal, electrical or mechanical, are severe.

Available in 10 basic colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White (plus natural and pink).

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This design may be subject to change without notification - please check this data sheet is still current.

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