HEATSENSE®
CABLES
Specialist High-Performance Solutions

SPECIFICATION DATA SHEET

CABLE TYPE — PTFE INSULATED EQUIPMENT WIRE TYPE "E"

GENERAL DESCRIPTION — SILVER PLATED COPPER CONDUCTORS, PTFE INSULATED, TAPED.

RELEVANT STANDARDS — MANUFACTURED AND TESTED IN ACCORDANCE WITH MIL-W-16878/21 AND NEMA HP-3 (M16878/4)

Heatsense Part Number.	Conductor Details				Overall Diameter		Conductor Resistance	Mass
	Size AWG	Stranding (mm)	Stranding (AWG)	O/D (mm)	Min. (mm)	Max. (mm)	(Ω/km @ 20°C) Maximum	Nominal (kg/km)
HSP32SA8.	32	01/0.203	1 x 32	0.203	0.64	0.84	554	0.91
HSP32SB8.	32	07/0.079	7 x 40	0.237	0.66	0.86	567	1.18
HSP30SA8.	30	01/0.254	1 x 30	0.254	0.66	0.86	354	1.31
HSP30SB8.	30	07/0.102	7 x 38	0.306	0.71	0.91	330	1.47
HSP28SA8.	28	01/0.320	1 x 28	0.320	0.74	0.94	223	1.70
HSP28SB8.	28	07/0.127	7 x 36	0.381	0.79	0.99	209	1.90
HSP28SC8.	28	19/0.079	19 x 40	0.381	0.79	0.99	207	1.98
HSP26SA8.	26	01/0.404	1 x 26	0.404	0.81	1.01	140	2.25
HSP26SB8.	26	07/0.160	7 x 34	0.480	0.89	1.09	133	2.59
HSP26SC8.	26	19/0.102	19 x 38	0.483	0.89	1.09	126	2.72
HSP24SA8.	24	01/0.511	1 x 24	0.511	0.91	1.11	87.9	3.11
HSP24SB8.	24	07/0.203	7 x 32	0.610	1.02	1.22	82.7	3.63
HSP24SC8.	24	19/0.127	19 x 36	0.610	1.02	1.22	79.7	3.63
HSP22SA8	22	01/0.643	1 X 22	0.643	1.04	1.24	54.0	4.48
HSP22SB8.	22	07/0.254	7 x 30	0.762	1.17	1.37	52.2	5.12
HSP22SC8.	22	19/0.160	19 x 34	0.762	1.17	1.37	49.5	5.16
HSP20SA8.	20	01/0.813	1 x 20	0.800	1.22	1.42	34.5	6.37
HSP20SB8.	20	07/0.320	7 x 28	0.960	1.37	1.57	32.8	7.52
HSP20SC8.	20	19/0.203	19 x 32	0.965	1.37	1.57	30.1	7.62
HSP18SC8.	18	19/0.254	19 x 30	1.190	1.63	1.88	19.0	11.3
HSP16SC8.	16	19/0.287	19 x 29	1.350	1.85	2.21	14.8	14.5
HSP14SC8.	14	19/0.361	19 x 27	1.700	2.24	2.59	9.45	21.9
HSP12SC8.	12	19/0.455	19 x 25	2.130	2.72	3.07	5.94	33.6

CABLE CHARACTERISTICS

VOLTAGE RATING: 600 V rms

TEMPERATURE RATING: -65°C to +200°C

FLAME TEST VERTICAL:

IEC 332-1	Pass
IEEE Std. 383-1974	Pass
UL VW-1	Pass

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.