

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

HEATSENSE SPECIFICATION DATA SHEET

CABLE TYPE

PTFE INSULATED EQUIPMENT WIRE TYPE "ET"

GENERAL DESCRIPTION

SILVER PLATED COPPER CONDUCTORS,
PTFE INSULATION, TAPED.

RELEVANT STANDARDS

MANUFACTURED AND TESTED IN ACCORDANCE
WITH MIL-W-16878/20 AND NEMA HP-3 (M16878/6)

Heatsense Part Number	Conductor Details				Overall Diameter		Conductor Resistance (Ω /km @ 20°C) Maximum	Mass Nominal (kg/km)
	Size AWG	Stranding (mm)	Stranding (AWG)	Conductor Diameter Nominal (mm)	Min. (mm)	Max. (mm)		
HSP32SA7.	32	01/0.203	1 x 32	0.203	0.41	0.56	554	0.67
HSP32SB7.	32	07/0.079	7 x 40	0.237	0.51	0.61	567	0.71
HSP30SA7.	30	01/0.254	1 x 30	0.254	0.51	0.61	354	0.88
HSP30SB7.	30	07/0.102	7 x 38	0.306	0.56	0.66	330	0.98
HSP30SC7.	30	19/0.0635	19 x 42	0.317	0.56	0.66	323	1.04
HSP28SA7.	28	01/0.320	1 x 28	0.320	0.58	0.69	223	1.19
HSP28SB7.	28	07/0.127	7 x 36	0.381	0.64	0.74	209	1.35
HSP28SC7.	28	19/0.079	19 x 40	0.381	0.64	0.74	207	1.46
HSP26SA7.	26	01/0.404	1 x 26	0.404	0.66	0.76	140	1.73
HSP26SB7.	26	07/0.160	7 x 34	0.480	0.74	0.83	133	1.93
HSP26SC7.	26	19/0.102	19 x 38	0.483	0.74	0.84	126	2.08
HSP24SA7.	24	01/0.511	1 x 24	0.511	0.76	0.86	87.9	2.54
HSP24SB7.	24	07/0.203	7 x 32	0.610	0.86	0.97	82.7	2.83
HSP24SC7.	24	19/0.127	19 x 36	0.610	0.86	0.97	79.7	3.01
HSP22SB7.	22	07/0.254	7 x 30	0.762	1.02	1.12	52.2	4.17
HSP22SC7.	22	19/0.160	19 x 34	0.762	1.02	1.12	49.5	4.43
HSP20SA7.	20	01/0.813	1 x 20	0.800	1.07	1.17	34.5	5.77
HSP20SB7.	20	07/0.320	7 x 28	0.960	1.22	1.32	32.8	6.31
HSP20SC7.	20	19/0.203	19 x 32	0.965	1.22	1.32	30.1	6.85

CABLE CHARACTERISTICS

VOLTAGE RATING:

250 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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