

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

HEATSENSE SPECIFICATION DATA SHEET

CABLE TYPE

TYPE "Z" ETFE INSULATED EQUIPMENT WIRE

GENERAL DESCRIPTION

TIN PLATED COPPER CONDUCTORS,
ETFE EXTRUDED INSULATION TYPE "Z".

RELEVANT STANDARDS

GENERALLY IN ACCORDANCE WITH MIL-W-22759/16
AND INTERNAL HEATSENSE SPECIFICATION.

Heatsense Reference:	Conductor Details				Insulation Thickness	Overall Diameter		Conductor Resistance (Ω/km @ 20°C)	Mass (kg/km)	Long term current rating
	Size AWG	Stranding (mm)	O/D (mm)	Area (mm ²)		Nominal (mm)	Min. (mm)			
HSE32TB8	32	07/0.079	0.24	0.03	0.23	0.64	0.74	620.00	0.87	1.50
HSE30TB8	30	07/0.102	0.30	0.06	0.23	0.70	0.80	356.00	1.15	2.0
HSE28TB8	28	07/0.127	0.38	0.09	0.23	0.78	0.88	225.00	1.54	3.0
HSE26TB8	26	07/0.160	0.48	0.14	0.23	0.88	0.98	142.00	2.14	4.0
HSE24TB8	24	07/0.203	0.60	0.22	0.23	1.01	1.11	88.60	3.12	6.0
HSE24TC8	24	19/0.127	0.63	0.24	0.25	1.09	1.19	85.96	3.83	6.0
HSE22TC8	22	19/0.160	0.80	0.38	0.26	1.27	1.37	53.10	5.06	8.0
HSE20TC8	20	19/0.203	1.00	0.60	0.26	1.47	1.57	32.40	7.56	11.0
HSE18TC8	18	19/0.254	1.25	0.96	0.28	1.75	1.85	20.40	11.20	15.0
HSE16TC8	16	19/0.287	1.44	1.23	0.29	1.96	2.06	15.80	14.30	18.0
HSE15TD8	15	37/0.250	1.75	1.81	0.30	2.30	2.46	10.70	19.80	22.0
HSE14TC8	14	19/0.361	1.81	1.94	0.28	2.31	2.41	10.00	21.30	24.0
HSE12TD8	12	37/0.320	2.24	2.98	0.33	2.82	2.97	6.63	32.00	35.0
HSE10TD8	10	37/0.404	2.80	4.74	0.36	3.45	3.61	4.13	49.70	47.0
HSE08T38	8	133/0.287	4.14	8.56	0.46	4.98	5.13	2.30	89.40	74.0
HSE06T38	6	133/0.361	5.21	13.5	0.57	6.27	6.43	1.46	141.0	100.0
HSE04T38	4	133/0.454	6.58	21.5	0.68	7.82	8.03	0.92	222.0	135.0
HSE02T48	2	665/0.254	8.49	33.7	0.69	9.75	9.96	0.60	342.0	170.0

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

Available in 11 basic colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Pink plus natural.

CABLE CHARACTERISTICS

VOLTAGE RATING:

600 V rms

TEMPERATURE RATING:

-65°C to +150°C AS DEFINED BY M22759/16
+155°C MAXIMUM SERVICE TEMPERATURE (IEC 60216)

RADIATION RESISTANCE:

200 MEGARADS

OXYGEN INDEX:

30 %

FLAME RETARDANT:

IEEE 383-1974, UL 94 V-0

All wires are RoHS compliant.

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