

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

SPECIFICATION DATA SHEET

CABLE TYPE

ETFE INSULATED EQUIPMENT WIRE TYPE "ZT"

GENERAL DESCRIPTION

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

RELEVANT STANDARDS

MANUFACTURED GENERALLY IN ACCORDANCE
WITH MIL-W-22759/18.

Heatsense Reference:	Conductor Details				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)	Max. (mm)	TPCW (Max)	Nom. (kg/km)	Max. *(A)
HSE32TB7	32	07/0.079	0.24	0.03	0.51	0.61	620.00	0.72	1.50
HSE30TB7	30	07/0.102	0.30	0.06	0.56	0.66	356.00	0.93	2.0
HSE28TB7	28	07/0.127	0.38	0.09	0.64	0.74	225.00	1.30	3.0
HSE28TC7	28	19/0.079	0.38	0.09	0.64	0.74	206.00	1.59	3.0
HSE26TB7	26	07/0.160	0.48	0.14	0.74	0.83	142.00	1.82	4.0
HSE26TC7	26	19/0.102	0.48	0.16	0.74	0.84	135.00	2.26	4.0
HSE24TB7	24	07/0.203	0.60	0.22	0.86	0.97	88.60	2.83	6.0
HSE24TC7	24	19/0.127	0.63	0.24	0.86	0.97	85.96	3.01	6.0
HSE22TB7	22	07/0.254	0.76	0.35	1.02	1.12	55.00	4.17	8.0
HSE22TC7	22	19/0.160	0.80	0.38	1.04	1.14	53.10	4.43	8.0
HSE20TB7	20	07/0.320	0.96	0.56	1.22	1.32	35.00	6.31	11.0
HSE20TC7	20	19/0.203	1.00	0.60	1.22	1.32	32.40	6.85	11.0
HSE18TC7	18	19/0.254	1.25	0.96	1.50	1.60	20.40	10.6	15.0
HSE16TC7	16	19/0.287	1.44	1.23	1.73	1.83	15.80	13.2	18.0
HSE14TC7	14	19/0.361	1.81	1.94	2.11	2.21	10.00	20.4	24.0
HSE12TD7	12	37/0.320	2.24	2.98	2.64	2.80	6.63	31.3	35.0
HSE10TD7	10	37/0.404	2.80	4.74	3.33	3.48	4.13	50.8	47.0

*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 M22759/18
+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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