

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

HEATSENSE SPECIFICATION DATASHEET

CABLE TYPE

ETFE INSULATED EQUIPMENT WIRE

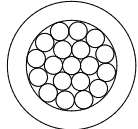
GENERAL DESCRIPTION

TIN PLATED COPPER CONDUCTOR, ETFE EXTRUDED TYPE 2 – MEDIUM WALL INSULATION.

RELEVANT STANDARDS

GENERALLY IN ACCORDANCE WITH DEF STAN 61-12 PART 29 TYPE 2

Wires - ETFE

Conductor Details			Insulation Thickness	Overall Diameter		Conductor Resistance	Mass	 Part Number	
Size AWG	Stranding (mm)	O/D (mm)	Nom. (mm)	Min. (mm)	Max. (mm)	Max. (Ω /km @ 20°C)	Max. (kg/km)		
24	19/0.120	0.60	0.25	1.05	1.15	94.80	3.44	HSE24TCB	
22	19/0.150	0.75	0.25	1.20	1.30	61.30	4.89	HSE22TCB	
20	19/0.200	1.00	0.25	1.45	1.55	33.60	7.73	HSE20TCB	
18	19/0.250	1.25	0.30	1.80	1.90	21.20	11.78	HSE18TCZ	
16	19/0.300	1.50	0.30	2.05	2.15	14.60	16.10	HSE16TCZ	TPCA1938
15	37/0.250	1.75	0.30	2.30	2.46	10.70	21.50	HSE15TDZ	
12	37/0.320	2.24	0.30	2.71	2.99	6.44	33.70	HSE12TDZ	

*NSN is only applicable to a wire that has white insulation

Cables – ETFMETSHEATH (above core screened and sheathed)

ETFE Core	Diameter of Braid Strands	Diameter over Braid	Jacket Thickness	ETFMETSHEATH Cable Diameter		Cable Resistance	Mass
Size AWG	Nom. (mm)	Nom. (mm)	Min. (mm)	Min. (mm)	Max. (mm)	Max. (Ω /km @ 20°C)	Max. (Kg/Km)
24	0.100	1.55	0.15	1.80	2.00	98.60	10.54
22	0.100	1.70	0.15	1.95	2.15	63.70	12.29
20	0.100	1.95	0.15	2.20	2.40	35.00	16.50
18	0.100	2.30	0.15	2.55	2.85	22.10	23.11
16	0.100	2.55	0.15	2.80	3.10	15.20	28.54
14	0.100	2.80	0.15	3.05	3.41	11.10	36.53
12	0.100	3.29	0.15	3.46	3.94	6.70	51.70

CABLE CHARACTERISTICS

VOLTAGE RATING:

600 V rms Maximum

TEMPERATURE RATING:

-40°C (flexed) or -75°C (fixed) to +135°C

Available in 11 basic colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Pink (plus natural) along with bi-colour combinations.

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