

HEATSENSE®

C A B L E S

Specialist High-Performance Solutions

SPECIFICATION DATA SHEET

CABLE TYPE

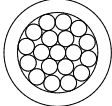
ETFE INSULATED EQUIPMENT WIRE

GENERAL DESCRIPTION

TIN PLATED COPPER CONDUCTOR, ETFE EXTRUDED
TYPE 5 – THIN WALL INSULATION.

RELEVANT STANDARDS

GENERALLY IN ACCORDANCE WITH
DEF STAN 61-12 PART 29 TYPE 5 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)	
26	19/0.100	0.50	0.17	0.79	0.89	139.00	2.25	HSE26TCY
24	19/0.120	0.60	0.17	0.89	0.99	94.80	3.00	HSE24TCY
22	19/0.150	0.75	0.17	1.04	1.14	61.30	4.35	HSE22TCY
20	19/0.200	1.00	0.17	1.29	1.39	33.60	7.10	HSE20TCY
18	19/0.250	1.25	0.18	1.56	1.70	21.20	10.85	HSE18TC3
16	19/0.300	1.50	0.18	1.81	1.95	14.60	15.02	HSE16TC3

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)
26	0.100	1.29	0.15	1.54	1.74	145.00	8.67
24	0.100	1.39	0.15	1.64	1.84	98.60	9.65
22	0.100	1.54	0.15	1.79	1.99	63.70	11.37
20	0.100	1.79	0.15	2.04	2.24	35.00	15.35
18	0.100	2.06	0.15	2.31	2.65	22.10	21.36
16	0.100	2.31	0.15	2.56	2.90	15.20	26.79

CABLE CHARACTERISTICS

VOLTAGE RATING:

600 V rms Maximum

TEMPERATURE RATING:

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

ETFE is very tough/strong, has excellent chemical resistance, radiation resistant, light weight, flame resistant, high flex life, good outgassing characteristics, and is easy to strip/handle and install.

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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