

DATE: 18/07/2007  
ORIGINATOR: A.J.R.  
CHECKED:

**BELDEN - SPECIFICATION DATA SHEET**

**CABLE TYPE**

ETFE INSULATED EQUIPMENT WIRE

**GENERAL DESCRIPTION**

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

**RELEVANT STANDARDS**

DEF STAN 61-12 PART 29 TYPE 2

**Wires - ETFE**

Conductor Details			Insulation Thickness	Overall Diameter		Conductor Resistance	Mass	Nato Stock Number*
Size AWG	Stranding (mm)	O/D (mm)	Nom. (mm)	Min. (mm)	Max. (mm)	Max. ( $\Omega/\text{km}$ @ 20°C)	Max. (kg/km)	
24	19/0.120	0.60	0.25	1.05	1.15	94.80	3.44	6145-99-724-9739
22	19/0.150	0.75	0.25	1.20	1.30	61.30	4.89	6145-99-648-3672
20	19/0.200	1.00	0.25	1.45	1.55	33.60	7.73	6145-99-724-9742
18	19/0.250	1.25	0.30	1.80	1.90	21.20	11.78	6145-99-727-3608
16	19/0.300	1.50	0.30	2.05	2.15	14.60	16.10	6145-99-724-9744
14	37/0.250	1.75	0.30	2.30	2.46	10.70	21.50	6145-99-724-9747
12	37/0.320	2.24	0.30	2.71	2.99	6.44	33.70	6145-99-724-9749

\*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. ( $\Omega/\text{km}$ @ 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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