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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. (Ω/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	12.0	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. (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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