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K. LACEY WIRES AND CABLES ETFE EQUIPMENT WIRES

MANUFACTURED TO DEFENCE STANDARD 61-12 PT 29
 (Def 61-12 Pt 29 Supersedes EL2133)

Sheet 1 of 2

SCOPE

ETFE Equipment Wire is suitable for wiring electrical and electronic equipment and for use in high performance aerospace and avionic, automotive and vehicle, telecoms and military applications.

Radiation Resistance 200MRAD. Melting Point 270°C.

These wires do not support combustion and have good resistance to ester based lubricants and hydraulic fluids when tested in accordance with BSG230.

TYPES AVAILABLE AND GENERAL CHARACTERISTICS

See charts on next sheet for size and dimension information

TEMPERATURE RANGE

Tinned Copper Conductor	-75°C to +135°C
Silver Plated Conductor	-75°C to +150°C
Silver Plated High Strength Copper Alloy	-75°C to +150°C

VOLTAGE RATING

600V r.m.s

COLOUR RANGE

Standard Colours Grey, Pink Red, Blue, Green, Yellow, Black, White, Brown, Violet, Orange,

Other Natural)
 Bi-Colour Combinations) Available to Special Order
 Tri-Colour Combinations)

SPECIALS

Screened and/or screened and sheathed versions)
 Multi-core cables) Available to Special Order

Alternative jacket material options are available

ALSO AVAILABLE

TYPE KU TO FRENCH SPEC NFC 93 524
 CROSSLINKED TYPE 55 WIRE AND / OR MIL SPEC VERSIONS

CONTACT US NOW FOR A QUOTATION

Tel. +44 (0) 1903 771336 Fax. +44 (0) 1903 255411 Email. sales@klaceyables.co.uk

INFORMATION GIVEN IS BASED ON GENERAL EXPERIENCE ONLY AND IS GIVEN IN GOOD FAITH. NO WARRANTY IS GIVEN WITH RESPECT TO THE INFORMATION AND USERS MUST DETERMINE THE SUITABILITY OF THE PRODUCT PRIOR TO ANY PARTICULAR USE.

K. LACEY WIRES AND CABLES

ETFE EQUIPMENT WIRES

Sheet 2 of 2

Def Stan 61-12 Pt 29/1 covers the following types:-

TYPE 1 medium wall insulation silver plated copper conductor	TYPE 2 medium wall insulation tinned copper conductor	TYPE 3 medium wall insulation silver plated high strength copper alloy conductor
TYPE 4 thin wall insulation silver plated copper conductor	TYPE 5 thin wall insulation tinned copper conductor	TYPE 6 thin wall insulation silver plated high strength copper alloy conductor

Conductor			Finished Cable					
Size AWG	Strand mm	Nom. Cond. Area	Type 1			Type 1 metsheath		
			O/Dia. Max	Max. Resistance @ 20°C Ω / km	Max. Weight Kg / Km	O/Dia. Max	Max. Resistance @ 20°C Ω / km	Max. Weight Kg / Km
24	19/0.12	0.60	1.15	89.70	3.44	2.00	93.30	10.54
22	19/0.15	0.75	1.30	58.60	4.89	2.15	61.00	12.29
20	19/.020	1.00	1.55	32.50	7.73	2.40	33.80	16.50
18	19/.025	1.25	1.90	20.70	11.78	2.85	21.50	23.11
16	19/.030	1.50	2.15	14.30	16.10	3.10	14.80	28.55
14	37/0.25	1.75	2.46	10.40	21.50	3.41	10.80	36.53
12	37/0.32	2.24	2.99	6.30	33.70	3.94	6.56	51.70
			Type 2			Type 2 metsheath		
24	19/0.12	0.60	1.15	94.80	3.44	2.00	98.60	10.54
22	19/0.15	0.75	1.30	61.30	4.89	2.15	63.70	12.29
20	19/0.20	1.00	1.55	33.60	7.73	2.40	35.00	16.50
18	19/0.25	1.25	1.90	21.20	11.78	2.85	22.10	23.11
16	19/0.30	1.50	2.15	14.60	16.10	3.10	15.20	28.54
14	37/0.25	1.75	2.46	10.70	21.50	3.41	11.10	36.53
12	37/0.32	2.24	2.99	6.44	33.70	3.94	6.70	51.70
			Type 3			Type 3 metsheath		
26	19/0.10	0.50	1.06	153.00	2.69	1.91	159.30	9.52
24	19/0.12	0.59	1.15	109.30	3.45	2.00	113.60	10.54
			Type 4			Type 4 metsheath		
26	19/0.10	0.50	0.89	130.00	2.25	1.74	135.00	8.67
24	19/0.12	0.60	0.99	89.70	3.00	1.84	93.30	9.65
22	19/0.15	0.75	1.14	58.60	4.35	1.99	61.00	11.37
20	19/.020	1.00	1.39	32.50	7.10	2.24	33.80	15.35
18	19/0.25	1.25	1.70	20.70	10.85	2.65	21.50	21.36
16	19/0.30	1.50	1.95	14.30	15.02	2.90	14.80	26.79
			Type 5			Type 5 metsheath		
26	19/0.10	0.50	0.89	139.00	2.25	1.74	145.00	8.67
24	19/0.12	0.60	0.99	94.80	3.00	1.84	98.60	9.65
22	19/0.15	0.75	1.14	61.30	4.35	1.99	63.70	11.37
20	19/0.20	1.00	1.39	33.60	7.10	2.24	35.00	15.35
18	19/0.25	1.25	1.70	21.20	10.85	2.65	22.10	21.36
16	19/0.30	1.50	1.95	14.60	15.02	2.90	15.20	26.79
			Type 6			Type 6 metsheath		
26	19/0.10	0.50	0.89	153.00	2.25	1.74	159.30	8.67
24	19/0.12	0.59	0.99	109.30	3.00	1.84	113.60	9.65

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