



K. LACEY WIRES AND CABLES

UNIEFGLAS

MANUFACTURED TO BRITISH STANDARD BSG 222

Sheet 1 of 2

CONSTRUCTION

Nickel Plated Copper Wire Conductor. PTFE Insulated. Fibrous Glass Tape. PTFE Impregnated Glass Yarn Braid (for added strength). Colour – White

SPECIFICATION - BSG 222 – EFGLAS

SCOPE

Suitable for aircraft wiring. Resistant to flames and smoke emission.

Remains flexible throughout Operating Temperature of -70°C to +260°C.

Voltage Rating ; 600V(r.m.s.) @ 1600Hz.

Excellent resistance to aviation oils and fluids, hydraulic fluids, De-icing Fluids, Cleaning Solvents, Fungus and Mildew.

Size AWG	Conductor					Cable		
	Area mm ²	Strand mm	Dia. Min. mm	Dia. Max. mm	Max. Resistance Ω / km	O/Dia. Min. mm	O/Dia. Max. mm	Max. Weight. g / m
22	0.336	19/0.150	00.70	00.80	60.00	01.80	02.05	8.60
20	0.597	19/0.200	00.95	01.05	33.40	01.95	02.20	12.20
18	0.933	19/0.250	01.20	01.30	21.20	02.25	02.50	16.00
16	1.340	19/0.300	01.45	01.55	14.70	02.45	02.75	20.60
14	1.820	37/0.250	01.70	01.82	10.90	02.70	03.10	26.50
12	2.890	37/0.315	02.10	02.30	06.73	03.40	03.80	38.80
10	4.650	37/0.400	02.70	02.90	04.13	04.35	04.75	58.40
8	8.410	17/7/0.30	04.05	04.40	02.40	05.75	06.25	104.00
6	12.850	26/7/0.30	05.10	05.45	01.57	06.80	07.30	174.00
4*	20.750	42/7/0.30	06.45	06.80	00.971	08.65	09.15	278.00
2*	32.300	29/7/0.45	08.00	08.50	00.606	10.70	11.30	424.00
1*	39.000	35/7/0.45	09.00	09.50	00.500	11.60	12.40	500.00
0*	51.20	46/7/0.45	10.20	10.70	00.381	12.80	13.60	632.00
00*	66.80	60/7/0.45	11.40	12.10	00.290	14.10	14.90	805.00
000*	82.50	74/7/0.45	12.90	13.60	00.237	15.60	16.40	1010.00
0000*	105.70	35/19/0.45	14.20	15.20	00.190	17.10	18.10	1270.00

*there could be variances on the conductor used for these AWG sizes where the conductor used may meet BSG 231 not BSG 222. The change will impact dimensions and resistance. This variance has been approved by the standard's sponsors.

Also Available :-

Efglasmet - Similar to the Efglas range, with the addition of a metal braid

Efglasmetsheath - Similar to the Efglasmet range, with additional sheath of PTFE and Glass Braid

Du and Tri-Efglasmetsheath (22 to 16AWG) - 2 and 3 Core Efglas, with an overall metal braid and PTFE Sheath

Uniflexefglas 20 – special purpose when maximum flexibility is required

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.

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CURRENT RATING TABLES

RATINGS IN AMPERES, CABLES BUNCHED IN FREE AIR

Max. continuous rating UNIEFGLAS CABLE			Max. 5 minute rating UNIEFGLAS CABLE			Max. 1 minute rating UNIEFGLAS CABLE		
AWG	1 cable	3 cables	AWG	1 cable	3 cables	AWG	1 cable	3 cables
22	9	6	22	9	6	22	10	8
20	12	7.5	20	12	9	20	14	12
18	16	11.5	18	16	11.5	18	19	16.5
16	20	14	16	20	14.5	16	24	20
14	24	18	14	24	18	14	30	28.5
12	33	22.5	12	33	22.5	12	43	39
10	44	34	10	44	34	10	61	59.5
08	63	48	08	66	56	08	100	95.5
06	96		06	100		06	160	
04	140		04	150		04	250	
02	195		02	220		02	380	
01	220		01	250		01	445	
0	260		0	310		0	560	
00	300		00	350		00	670	
000	345		000	390		000	800	
0000	380		0000	470		0000	980	

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