



# K. LACEY WIRES AND CABLES

## ACT150

**MANUFACTURED TO BRANDREX SPECIFICATION ECM66 AND APPROVED BY THE CIVIL AVIATION AUTHORITY**

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MULTICORE JACKETED AIRFRAME WIRING AND INTERCONNECT CABLES  
Flexible, Lightweight High Performance Cables with Arc Tracking Resistance

### CONSTRUCTION

A number of ACT150 single core cables twisted together and protected by a polyimide and PTFE taped outer jacket.  
Silver plated copper conductors (size 24 is a silver plated copper alloy)  
Polyimide/FEP and PTFE Taped Insulation  
Polyimide Taped and PTFE Taped Finish

### PRODUCT CHARACTERISTICS

Voltage rating: 600 volts rms at 2000Hz  
Operating temperature range: -65°C to + 150°C

### PERFORMANCE

These cables meet the requirements of BSG230 Test 42 – Resistance to arc tracking.

### INTERCONNECT CABLES

Size AWG	Conductor			Nominal core dia mm	Finished Cable			
	Strand mm	Nom. Dia. Mm	Max. Resistance @ 20°C Ohm/km		Min. O/Dia mm	Max. O/Dia mm	Max. Weight Kg/Km	P/No.
<b>2 CORE TYPE 03 – INTERCONNECT CABLES</b>								
24	19/0.12	0.56	110.00	0.85	1.77	2.23	6.06	ACT150-03-2-24
22	19/0.15	0.72	61.00	1.01	2.07	2.53	8.94	ACT150-03-2-22
20	19/0.20	0.97	33.80	1.26	2.57	3.03	14.61	ACT150-03-2-20
18	19/0.25	1.22	21.50	1.51	3.07	3.53	21.70	ACT150-03-2-18
16	19/0.30	1.47	14.80	1.76	3.57	4.05	30.22	ACT150-03-2-16
<b>3 CORE TYPE 03 – INTERCONNECT CABLE</b>								
24	19/0.12	0.56	110.00	0.85	1.90	2.39	8.88	ACT150-03-3-24
22	19/0.15	0.72	61.00	1.01	2.22	2.71	13.16	ACT150-03-3-22
20	19/0.20	0.97	33.80	1.26	2.76	3.25	21.60	ACT150-03-3-20
18	19/0.25	1.22	21.50	1.51	3.30	3.79	32.18	ACT150-03-3-18
16	19/0.30	1.47	14.80	1.76	3.84	4.35	44.89	ACT150-03-3-16
<b>4 CORE TYPE 03 – INTERCONNECT CABLES</b>								
24	19/0.12	0.56	110.00	0.85	2.10	2.64	11.69	ACT150-03-4-24
22	19/0.15	0.72	61.00	1.01	2.46	3.00	17.38	ACT150-03-4-22
20	19/0.20	0.97	33.80	1.26	3.07	3.61	28.60	ACT150-03-4-20
18	19/0.25	1.22	21.50	1.51	3.67	4.21	42.65	ACT150-03-4-18
16	19/0.30	1.47	14.80	1.76	4.28	4.84	59.56	ACT150-03-4-16

## CONTACT US NOW FOR A QUOTATION

Tel. +44 (0) 1903 771336    Fax. +44 (0) 1903 255411    Email. sales@klaceycables.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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### AIRFRAME CABLES

Size AWG	Conductor			Nominal core dia mm	Finished Cable			
	Strand mm	Nom. Dia. mm	Max. Resistance @ 20°C Ohm/km		Min. O/Dia mm	Max. O/Dia mm	Max. Weight Kg/Km	P/No.
<b>2 CORE TYPE 04 – AIRFRAME CABLES</b>								
24	19/0.12	0.56	110.00	0.97	1.99	2.49	6.75	ACT150-04-2-24
22	19/0.15	0.72	61.00	1.13	2.29	2.79	9.73	ACT150-04-2-22
20	19/0.20	0.97	33.80	1.38	2.79	3.29	15.56	ACT150-04-2-20
18	19/0.25	1.22	21.50	1.63	3.29	3.79	22.80	ACT150-04-2-18
16	19/0.30	1.47	14.80	1.88	3.79	4.29	31.46	ACT150-04-2-16
14	37/0.25	1.71	10.80	2.12	4.29	4.79	41.66	ACT150-04-2-14
12	37/0.32	2.15	6.55	2.56	5.21	5.71	63.61	ACT150-04-2-12
<b>3 CORE TYPE 04 – AIRFRAME CABLES</b>								
24	19/0.12	0.56	110.00	0.97	2.13	2.67	9.88	ACT150-04-3-24
22	19/0.15	0.72	61.00	1.13	2.46	2.99	14.32	ACT150-04-3-22
20	19/0.20	0.97	33.80	1.38	3.00	3.53	22.99	ACT150-04-3-20
18	19/0.25	1.22	21.50	1.63	3.54	4.07	33.79	ACT150-04-3-18
16	19/0.30	1.47	14.80	1.88	4.08	4.61	46.73	ACT150-04-3-16
14	37/0.25	1.71	10.80	2.12	4.62	5.15	61.96	ACT150-04-3-14
12	37/0.32	2.15	6.55	2.56	5.01	6.14	94.78	ACT150-04-3-12
<b>4 CORE TYPE 04 – AIRFRAME CABLES</b>								
24	19/0.12	0.56	110.00	0.97	2.37	2.95	13.01	ACT150-04-4-24
22	19/0.15	0.72	61.00	1.13	2.73	3.32	18.90	ACT150-04-4-22
20	19/0.20	0.97	33.80	1.38	3.34	3.92	30.42	ACT150-04-4-20
18	19/0.25	1.22	21.50	1.63	3.94	4.53	44.78	ACT150-04-4-18
16	19/0.30	1.47	14.80	1.88	4.55	5.13	61.99	ACT150-04-4-16
14	37/0.25	1.71	10.80	2.12	5.10	5.74	82.26	ACT150-04-4-14
12	37/0.32	2.15	6.55	2.56	6.26	6.85	125.95	ACT150-04-4-12

#### CORE COLOURS

Size 24 Pastel Blue with spiral stripe  
 Size 22 Pastel Green with spiral stripe  
 Size 20 Pastel Red with spiral stripe  
 Size 18 Pastel White with spiral stripe  
 Size 16 Pastel Blue with spiral stripe  
 Size 14 Pastel Green with spiral stripe  
 Size 12 Pastel Yellow with spiral stripe

Jacket = White

#### STRIPING

2 CORE CABLES = RED/BLUE  
 3 CORE CABLES = RED/BLUE/YELLOW  
 4 CORE CABLES = RED/BLUE/YELLOW/GREEN

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