



K. LACEY WIRES AND CABLES

ACT150

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

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

CONSTRUCTION

One or more ACT150 single core cables assembled within a collective screen and outer jacket.
Silver plated copper conductors (size 24 is a silver plated copper alloy)
Polyimide/FEP and PTFE Taped Insulation
Silver plated copper wire screen (Nominal diameter of braid wire = 0.1mm)
Polyimide/FTP Tape
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 dia over screen 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.
SINGLE CORE TYPE 05 – INTERCONNECT CABLES								
24	19/0.12	0.56	106.00	1.28	1.48	1.76	7.23	ACT150-05-1-24
22	19/0.15	0.72	58.60	1.44	1.63	1.91	9.21	ACT150-05-1-22
20	19/0.20	0.97	32.50	1.69	1.88	2.16	12.88	ACT150-05-1-20
18	19/0.25	1.22	20.60	1.94	2.13	2.41	17.25	ACT150-05-1-18
16	19/0.30	1.47	14.30	2.19	2.38	2.67	22.32	ACT150-05-1-16
2 CORE TYPE 05 – INTERCONNECT CABLES								
24	19/0.12	0.56	110.00	2.11	2.27	2.73	12.19	ACT150-05-2-24
22	19/0.15	0.72	61.00	2.43	2.57	3.03	16.02	ACT150-05-2-22
20	19/0.20	0.97	33.80	2.93	3.07	3.53	23.18	ACT150-05-2-20
18	19/0.25	1.22	21.50	3.43	3.57	4.03	31.79	ACT150-05-2-18
16	19/0.30	1.47	14.80	3.93	4.07	4.55	41.84	ACT150-05-2-16
3 CORE TYPE 05 – INTERCONNECT CABLES								
24	19/0.12	0.56	110.00	2.24	2.40	2.89	16.04	ACT150-05-3-24
22	19/0.15	0.72	61.00	2.59	2.72	3.21	21.47	ACT150-05-3-22
20	19/0.20	0.97	33.80	3.13	3.26	3.75	31.74	ACT150-05-3-20
18	19/0.25	1.22	21.50	3.67	3.80	4.29	44.18	ACT150-05-3-18
16	19/0.30	1.47	14.80	4.21	4.34	4.85	58.81	ACT150-05-3-16

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.

AS9120 Rev A and ISO9001:2008 APPROVED BSI. RS000146 BAE APPROVED



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INTERCONNECT CABLES CONT..

Size AWG	Conductor			Nominal dia over screen 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.
4 CORE TYPE 05 – INTERCONNECT CABLES								
24	19/0.12	0.56	110.00	2.46	2.60	3.14	19.04	ACT150-05-4-24
22	19/0.15	0.72	61.00	2.85	2.96	3.50	25.93	ACT150-05-4-22
20	19/0.20	0.97	33.80	3.45	3.57	4.11	39.07	ACT150-05-4-20
18	19/0.25	1.22	21.50	4.06	4.17	4.71	55.11	ACT150-05-4-18
16	19/0.30	1.47	14.80	4.66	4.78	5.34	74.04	ACT150-05-4-16

AIRFRAME CABLES

Size AWG	Conductor			Nominal dia over screen 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.
SINGLE CORE TYPE 06 – AIRFRAME CABLES								
24	19/0.12	0.56	110.00	1.40	1.59	1.89	7.99	ACT150-06-1-24
22	19/0.15	0.72	61.00	1.56	1.74	2.04	10.02	ACT150-06-1-22
20	19/0.20	0.97	33.80	1.81	1.99	2.29	13.76	ACT150-06-1-20
18	19/0.25	1.22	21.50	2.06	2.24	2.54	18.21	ACT150-06-1-18
16	19/0.30	1.47	14.80	2.31	2.49	2.79	23.36	ACT150-06-1-16
14	37/0.25	1.71	10.80	2.55	2.74	3.04	29.31	ACT150-06-1-14
12	37/0.32	2.15	6.55	2.99	3.20	3.50	41.74	ACT150-06-1-12
2 CORE TYPE 06 – AIRFRAME CABLES								
24	19/0.12	0.56	110.00	2.35	2.49	2.99	13.57	ACT150-06-2-24
22	19/0.15	0.72	61.00	2.67	2.79	3.29	17.50	ACT150-06-2-22
20	19/0.20	0.97	33.80	3.17	3.29	3.79	24.81	ACT150-06-2-20
18	19/0.25	1.22	21.50	3.67	3.79	4.29	33.58	ACT150-06-2-18
16	19/0.30	1.47	14.80	4.17	4.29	4.79	43.79	ACT150-06-2-16
14	37/0.25	1.71	10.80	4.65	4.79	5.29	55.62	ACT150-06-2-14
12	37/0.32	2.15	6.55	5.53	5.71	6.21	80.52	ACT150-06-2-12
3 CORE TYPE 06 – AIRFRAME CABLES								
24	19/0.12	0.56	110.00	2.50	2.63	3.17	17.88	ACT150-06-3-24
22	19/0.15	0.72	61.00	2.85	2.96	3.49	23.45	ACT150-06-3-22
20	19/0.20	0.97	33.80	3.39	3.50	4.03	33.96	ACT150-06-3-20
18	19/0.25	1.22	21.50	3.93	4.04	4.57	46.64	ACT150-06-3-18
16	19/0.30	1.47	14.80	4.47	4.58	5.11	61.49	ACT150-06-3-16
14	37/0.25	1.71	10.80	4.99	5.12	5.65	78.75	ACT150-06-3-14
12	37/0.32	2.15	6.55	5.94	6.11	6.64	115.23	ACT150-06-3-12
4 CORE TYPE 06 – AIRFRAME CABLES								
24	19/0.12	0.56	110.00	2.75	2.87	3.45	21.22	ACT150-06-4-24
22	19/0.15	0.72	61.00	3.14	3.23	3.82	28.31	ACT150-06-4-22
20	19/0.20	0.97	33.80	3.74	3.84	4.42	41.76	ACT150-06-4-20
18	19/0.25	1.22	21.50	4.35	4.44	5.03	58.11	ACT150-06-4-18
16	19/0.30	1.47	14.80	4.95	5.05	5.63	77.36	ACT150-06-4-16
14	37/0.25	1.71	10.80	5.53	5.60	6.24	99.79	ACT150-06-4-14
12	37/0.32	2.15	6.55	6.60	6.76	7.35	147.43	ACT150-06-4-12

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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