



ACT260 MULTICORE JACKETED AIRFRAME WIRING AND INTERCONNECT CABLES

Conductor				Nominal Core Diameter mm	Finished Cable		
Size AWG	Number Diameter Of Wires mm	Nominal Diameter mm	Maximum Resistance 20°C Ω/Km		Overall Diameter		Max. Weight kg/km
					Min mm	Max mm	
2 core, Type 03 - interconnect cables							
24	19/0.12	0.56	117.0	0.85	1.77	2.23	6.06
22	19/0.15	0.72	63.7	1.01	2.07	2.53	8.94
20	19/0.20	0.97	34.9	1.26	2.57	3.03	14.61
18	19/0.25	1.22	22.1	1.51	3.07	3.53	21.70
16	19/0.30	1.47	15.2	1.76	3.57	4.05	30.22
3 core, Type 03 - interconnect cables							
24	19/0.12	0.56	117.0	0.85	1.90	2.39	8.88
22	19/0.15	0.72	63.7	1.01	2.22	2.71	13.16
20	19/0.20	0.97	34.9	1.26	2.76	3.25	21.60
18	19/0.25	1.22	22.1	1.51	3.30	3.79	32.18
16	19/0.30	1.47	15.2	1.76	3.84	4.35	44.89
4 core, Type 03 - interconnect cables							
24	19/0.12	0.56	117.0	0.85	2.10	2.64	11.69
22	19/0.15	0.72	63.7	1.01	2.46	3.00	17.38
20	19/0.20	0.97	34.9	1.26	3.07	3.61	28.60
18	19/0.25	1.22	22.1	1.51	3.67	4.21	42.65
16	19/0.30	1.47	15.2	1.76	4.28	4.84	59.56

* Size 24 is nickel plated copper alloy

PRODUCT DESCRIPTION:

These cables with arc tracking resistance comprise a number of ACT260 single core cables twisted together and protected by a polyimide and PTFE taped outer jacket. They are produced to Brand-Rex specification ECM65 and approved by the Civil Aviation Authority.

PRODUCT CHARACTERISTICS:

Voltage rating: 600 volts rms at 2000Hz
Operating temperature range: -65°C to +260°C

Performance

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

Colours

2 core	Red, blue
3 core	Red, blue, yellow
4 core	Red, blue, yellow, green
Jacket	White

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Conductor				Nominal Core Diameter mm	Finished Cable		
Size AWG	Number Diameter Of Wires mm	Nominal Diameter mm	Maximum Resistance 20°C Ω/Km		Overall Diameter		Max. Weight kg/km
					Min mm	Max mm	
2 core, Type 04 - airframe cables							
24	19/0.12	0.56	117.0	0.97	1.99	2.49	6.75
22	19/0.15	0.72	63.7	1.13	2.29	2.79	9.73
20	19/0.20	0.97	34.9	1.38	2.79	3.29	15.56
18	19/0.25	1.22	22.1	1.63	3.29	3.79	22.80
16	19/0.30	1.47	15.2	1.88	3.79	4.29	31.46
14	37/0.25	1.71	11.1	2.12	4.29	4.79	41.66
12	37/0.32	2.15	6.7	2.56	5.21	5.71	63.61
3 core, Type 04 - airframe cables							
24	19/0.12	0.56	117.0	0.97	2.13	2.67	9.88
22	19/0.15	0.72	63.7	1.13	2.46	2.99	14.32
20	19/0.20	0.97	34.9	1.38	3.00	3.53	22.99
18	19/0.25	1.22	22.1	1.63	3.54	4.07	33.79
16	19/0.30	1.47	15.2	1.88	4.08	4.61	46.73
14	37/0.25	1.71	11.1	2.12	4.62	5.15	61.96
12	37/0.32	2.15	6.7	2.56	5.01	6.14	94.78
4 core, Type 04 - airframe cables							
24	19/0.12	0.56	117.0	0.97	2.37	2.95	13.01
22	19/0.15	0.72	63.7	1.13	2.73	3.32	18.90
20	19/0.20	0.97	34.9	1.38	3.34	3.92	30.42
18	19/0.25	1.22	22.1	1.63	3.94	4.53	44.78
16	19/0.30	1.47	15.2	1.88	4.55	5.13	61.99
14	37/0.25	1.71	11.1	2.12	5.10	5.74	82.26
12	37/0.32	2.15	6.7	2.56	6.26	6.85	125.95

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