



## ACT260 SCREENED AND JACKETED AIRFRAME WIRING AND INTERCONNECT CABLES

Conductor				Nominal † Diameter Over Screen mm	Finished Cable		
Size AWG	Number Diameter Of Wires mm	Nominal Diameter mm	Maximum Resistance 20°C Ω/Km		Overall Diameter		Maximum Weight
					Min mm	Max mm	kg/km
single core, Type 05 - interconnect cables							
24	19/0.12	0.56	113.0	1.28	1.48	1.76	7.23
22	19/0.15	0.72	61.3	1.44	1.63	1.91	9.21
20	19/0.20	0.97	33.6	1.69	1.88	2.16	12.88
18	19/0.25	1.22	21.2	1.94	2.13	2.41	17.25
16	19/0.30	1.47	14.6	2.19	2.38	2.67	22.32
2 core, Type 05 - interconnect cables							
24	19/0.12	0.56	117.0	2.11	2.27	2.73	12.19
22	19/0.15	0.72	63.7	2.43	2.57	3.03	16.02
20	19/0.20	0.97	34.9	2.93	3.07	3.53	23.18
18	19/0.25	1.22	22.1	3.43	3.57	4.03	31.79
16	19/0.30	1.47	15.2	3.93	4.07	4.55	41.84
3 core, Type 05 - interconnect cables							
24	19/0.12	0.56	117.0	2.24	2.40	2.89	16.04
22	19/0.15	0.72	63.7	2.59	2.72	3.21	21.47
20	19/0.20	0.97	34.9	3.13	3.26	3.75	31.74
18	19/0.25	1.22	22.1	3.67	3.80	4.29	44.18
16	19/0.30	1.47	15.2	4.21	4.34	4.85	58.81
4 core, Type 05 - interconnect cables							
24	19/0.12	0.56	117.0	2.46	2.60	3.14	19.04
22	19/0.15	0.72	63.7	2.85	2.96	3.50	25.93
20	19/0.20	0.97	34.9	3.45	3.57	4.11	39.07
18	19/0.25	1.22	22.1	4.06	4.17	4.71	55.11
16	19/0.30	1.47	15.2	4.66	4.78	5.34	74.04

\* Size 24 is nickel plated copper alloy

† Nominal diameter of braid wire = 0.1mm

### PRODUCT DESCRIPTION:

These cables with arc tracking resistance comprise one or more ACT260 single core cables assembled within a collective screen and 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

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

## ACT260 SCREENED AND JACKETED AIRFRAME WIRING AND INTERCONNECT CABLES

Conductor				Nominal † Diameter Over Screen mm	Finished Cable		
Size AWG	Number Diameter Of Wires mm	Nominal Diameter mm	Maximum Resistance 20°C Ω/Km		Overall Diameter		Maximum Weight kg/km
					Min mm	Max mm	
Single core, Type 06 - airframe cables							
24	19/0.12	0.56	113.0	1.40	1.59	1.89	7.99
22	19/0.15	0.72	61.3	1.56	1.74	2.04	10.02
20	19/0.20	0.97	33.6	1.81	1.99	2.29	13.76
18	19/0.25	1.22	21.2	2.06	2.24	2.54	18.21
16	19/0.30	1.47	14.6	2.31	2.49	2.79	23.36
14	37/0.25	1.71	10.7	2.55	2.74	3.04	29.31
12	37/0.32	2.15	6.4	2.99	3.20	3.50	41.74
2 core, Type 06 - airframe cables							
24	19/0.12	0.56	117.0	2.35	2.49	2.99	13.57
22	19/0.15	0.72	63.7	2.67	2.79	3.29	17.50
20	19/0.20	0.97	34.9	3.17	3.29	3.79	24.81
18	19/0.25	1.22	22.1	3.67	3.79	4.29	33.58
16	19/0.30	1.47	15.2	4.17	4.29	4.79	43.79
14	37/0.25	1.71	11.1	4.65	4.79	5.29	55.62
12	37/0.32	2.15	6.7	5.53	5.71	6.21	80.52
3 core, Type 06 - airframe cables							
24	19/0.12	0.56	117.0	2.50	2.63	3.17	17.88
22	19/0.15	0.72	63.7	2.85	2.96	3.49	23.45
20	19/0.20	0.97	34.9	3.39	3.50	4.03	33.96
18	19/0.25	1.22	22.1	3.93	4.04	4.57	46.64
16	19/0.30	1.47	15.2	4.47	4.58	5.11	61.49
14	37/0.25	1.71	11.1	4.99	5.12	5.65	78.75
12	37/0.32	2.15	6.7	5.94	6.11	6.64	115.23
4 core, Type 06 - airframe cables							
24	19/0.12	0.56	117.0	2.75	2.87	3.45	21.22
22	19/0.15	0.72	63.7	3.14	3.23	3.82	28.31
20	19/0.20	0.97	34.9	3.74	3.84	4.42	41.76
18	19/0.25	1.22	22.1	4.35	4.44	5.03	58.11
16	19/0.30	1.47	15.2	4.95	5.05	5.63	77.36
14	37/0.25	1.71	11.1	5.53	5.60	6.24	99.79
12	37/0.32	2.15	6.7	6.60	6.76	7.35	147.43

\* Size 24 is nickel plated copper alloy

† Nominal diameter of braid wire = 0.1mm

### PRODUCT DESCRIPTION:

These cables with arc tracking resistance comprise one or more ACT260 single core cables assembled within a collective screen and 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

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

Page 2/2