



## ACT150 MULTICORE 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 |                   |
| <b>2 core, Type 01 - interconnect cables</b> |                             |                     |                              |                          |                  |        |                   |
| 24   | 19/0.12                     | 0.56                | 110.0                        | 0.85                     | 1.58             | 1.94   | 5.49              |
| 22   | 19/0.15                     | 0.72                | 61.0                         | 1.01                     | 1.88             | 2.24   | 8.27              |
| 20   | 19/0.20                     | 0.97                | 33.8                         | 1.26                     | 2.38             | 2.74   | 13.78             |
| 18   | 19/0.25                     | 1.22                | 21.5                         | 1.51                     | 2.88             | 3.24   | 20.71             |
| 16   | 19/0.30                     | 1.47                | 14.8                         | 1.76                     | 3.38             | 3.76   | 29.07             |
| <b>3 core, Type 01 - interconnect cables</b> |                             |                     |                              |                          |                  |        |                   |
| 24   | 19/0.12                     | 0.56                | 110.0                        | 0.85                     | 1.71             | 2.10   | 8.24              |
| 22   | 19/0.15                     | 0.72                | 61.0                         | 1.01                     | 2.03             | 2.42   | 12.41             |
| 20   | 19/0.20                     | 0.97                | 33.8                         | 1.26                     | 2.57             | 2.96   | 20.68             |
| 18   | 19/0.25                     | 1.22                | 21.5                         | 1.51                     | 3.11             | 3.50   | 31.07             |
| 16   | 19/0.30                     | 1.47                | 14.8                         | 1.76                     | 3.65             | 4.06   | 43.60             |
| <b>4 core, Type 01 - interconnect cables</b> |                             |                     |                              |                          |                  |        |                   |
| 24   | 19/0.12                     | 0.56                | 110.0                        | 0.85                     | 1.91             | 2.35   | 10.99             |
| 22   | 19/0.15                     | 0.72                | 61.0                         | 1.01                     | 2.27             | 2.71   | 16.55             |
| 20   | 19/0.20                     | 0.97                | 33.8                         | 1.26                     | 2.88             | 3.32   | 27.57             |
| 18   | 19/0.25                     | 1.22                | 21.5                         | 1.51                     | 3.48             | 3.92   | 41.43             |
| 16   | 19/0.30                     | 1.47                | 14.8                         | 1.76                     | 4.09             | 4.55   | 58.13             |

\* Size 24 is silver plated copper alloy

### PRODUCT DESCRIPTION:

These cables with arc tracking resistance comprise a number of ACT150 single core cables twisted together without further finish. They are produced to Brand-Rex specification ECM66 and approved by the Civil Aviation Authority.

### 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.

### Colours

#### Single Cores

|         |                                 |
|---------|---------------------------------|
| 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 strip   |

### Striping

|               |                              |
|---------------|------------------------------|
| 2 core cables | Pastel Red/blue              |
| 3 core cables | Pastel Red/blue/yellow       |
| 4 core cables | Pastel Red/blue/yellow/green |