



ACT150 SINGLE CORE AIRFRAME WIRING AND INTERCONNECT CABLES

| Conductor | | | | 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 | |
| Type 01 - interconnect cables | | | | | | |
| 24 19/0.12 | 0.56 | 106.0 | 0.79 | 0.97 | 6.5 | 2.67 |
| 22 19/0.15 | 0.72 | 58.6 | 0.94 | 1.12 | 8.5 | 4.02 |
| 20 19/0.20 | 0.97 | 32.5 | 1.19 | 1.37 | 11.5 | 6.69 |
| 18 19/0.25 | 1.22 | 20.6 | 1.44 | 1.62 | 15.0 | 10.06 |
| 16 19/0.30 | 1.47 | 14.3 | 1.69 | 1.88 | 19.5 | 14.11 |
| Type 02 - airframe cables | | | | | | |
| 24 19/0.12 | 0.56 | 106.0 | 0.90 | 1.1 | 0 6.5 | 2.96 |
| 22 19/0.15 | 0.72 | 58.6 | 1.05 | 1.25 | 8.5 | 4.36 |
| 20 19/0.20 | 0.97 | 32.5 | 1.30 | 1.50 | 11.5 | 7.11 |
| 18 19/0.25 | 1.22 | 20.6 | 1.55 | 1.75 | 15.0 | 0.55 |
| 16 19/0.30 | 1.47 | 14.3 | 1.80 | 2.00 | 19.5 | 14.68 |
| 14 37/0.25 | 1.71 | 10.4 | 2.05 | 2.25 | 24.0 | 19.55 |
| 12 37/0.32 | 2.15 | 6.3 | 2.51 | 2.71 | 35.0 | 30.06 |

* Size 24 is silver plated copper alloy

PRODUCT DESCRIPTION:

Flexible, lightweight high performance cables with arc tracking resistance 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

| | |
|---------|---------------|
| Size 24 | Pastel Blue |
| Size 22 | Pastel Green |
| Size 20 | Pastel Red |
| Size 18 | Pastel White |
| Size 16 | Pastel Blue |
| Size 14 | Pastel Green |
| Size 12 | Pastel Yellow |