

Datasheet

RS Harsh Environment Wire Single Core

Stock Number: 232-1078

02/11/2015



Product Details

EFGLAS Airframe Cable

Primarily utilised by aircraft manufacturers, EFGLAS cables have an operating temperature range of -70°C to $+260^{\circ}\text{C}$ with a maximum voltage and frequency of 600V (rms) and 1600Hz respectively. The cables are constructed using nickel plated copper wire conductors and insulated with a combination of PTFE tapes and PTFE impregnated glass yarn braid for added strength.

RS, Professionally Approved Products, gives you professional quality parts across all product categories. Our range has been testified by engineers as giving comparable quality to that of the leading brands without paying a premium price.

| Conductor (AWG) | Conductor Strands (mm) | Cable O/D (mm) |
|-----------------|------------------------|----------------|
| 22 | 19 / 0.15 | 2.05 |
| 18 | 19 / 0.25 | 2.5 |
| 16 | 19 / 0.3 | 2.75 |
| 14 | 37 / 0.24 | 3.1 |
| 12 | 37 / 0.315 | 3.8 |
| 10 | 37 / 0.4 | 4.75 |

Note

The maximum working voltage on these cables is 600Vac

Standards

EFGLAS BS G222

High Temperature

| | |
|-------------------------------|----------------------|
| American Wire Gauge | 12 |
| Cable Shape | Single Core |
| Conductor Material | Nickel Plated Copper |
| Core Strands | 37/0.315 mm |
| Cross Sectional Area | 3.8 mm ² |
| Current Rating | 33 A |
| Insulation Material | PTFE |
| Length | 100m |
| Maximum Operating Temperature | +260°C |
| Minimum Operating Temperature | -70°C |
| Number of Strands | 37 |
| Operating Temperature Range | -70 → +260 °C |
| Outer Diameter | 3.8mm |
| Sheath Colour | Grey |
| Size of Strands | 0.315 mm |
| Voltage Rating | 600 V |