

Datasheet

RS Pro Single Core Harsh Environment Wire 50m, 1 mm² CSA 600/1000 V 32 Strands

RS Stock No: **819-9644**



Product Details

RS Pro single core harsh environment wire is a flexible composite cable, which is resistant to abrasions, heat, industrial fluids and moisture. It is 50 m long with cross sectional area of 1 mm². It is suitable for use in high temperature industrial applications. It is constructed from stranded nickel plated copper conductors, insulated with PFA, covered with a glass mica tape and outer glass braid. This cable has high resistance to abrasion and heat and low absorption of moisture. It can withstand attack from most common industrial fluids. The applications include high temperature wiring, high current wiring and where fault conditions may result in cable overheating. Therefore this cable is suitable for use on moulding, extruding, heating or metering equipment and furnaces.

Features and Benefits

- Class 5 nickel plated copper conductor
- Glass fibre braid with heat resistant varnish
- Operating temperature range of -25 to +250°C
- Voltage rating: between conductors and earth 600 V, between conductors 1000 V

**Specifications:**

American Wire Gauge	17 AWG
Cable Shape	Single Core
Conductor Material	Nickel Plated Copper
Core Strands	32/0.2 mm
Cross Sectional Area	1 mm ²
Insulation Material	PFA
Length	50 m
Maximum Operating Temperature	+250°C
Number of Strands	32
Operating Temperature Range	Maximum of +250°C
Outer Diameter	3.89
Resistant To	Abrasions, Heat, Industrial Fluids, Moisture
Sheath Colour	Transparent
Shield Type	Glass Braid, Glass Mica Tape
Size of Strands	0.2 mm
Voltage Rating	600/1000 V