

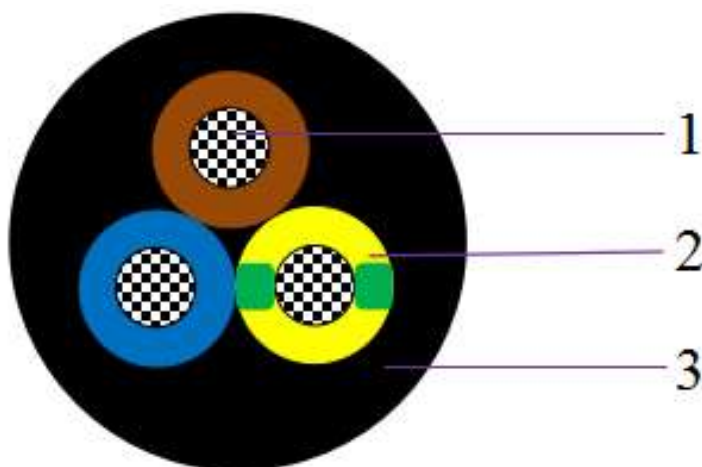
## Datasheet

Wire model : YGZ (Silicone rubber insulated and sheathed cable)

Stock No: 2101248



Cross Section



1	Conductor
2	Insulation
3	Jacket

## Physical characteristics

### Conductor

Conductor section	$3 \times 1.5\text{mm}^2$
Conductor material	Tinned copper wire
Conductor structure	30/0.25
Diameter of a single conductor	$0.25 \pm 0.008$
Conductor dimension	$1.58 \pm 0.10 \text{ mm}$

### Insulation

Insulation material	Silicone Rubber
Insulation thickness	0.70mm
Insulation dimension	$3.00 \pm 0.10 \text{ mm}$
Insulation color	Blue、Brown、Yellow

### Jacket

Jacket material	Silicone Rubber
Jacket thickness	1.20mm
Jacket dimension	$8.50 \pm 0.50 \text{ mm}$
Color	Black

### Mechanical Physical Properties

Operating temperature range	$-60^\circ\text{C} \sim +200^\circ\text{C}$
Insulation tensile strength	$\geq 5 \text{ MPa}$
Insulation elongation	$\geq 150\%$
Jacket tensile strength	$\geq 5 \text{ MPa}$
Jacket elongation	$\geq 150\%$

### Electrical properties

Max. operating voltage	450/750V
Max. conductor DC resistance	$13.7 \ \Omega/\text{km} \ (\text{@ } 20 \ ^\circ\text{C})$
Wire withstand voltage test	2000V/min