

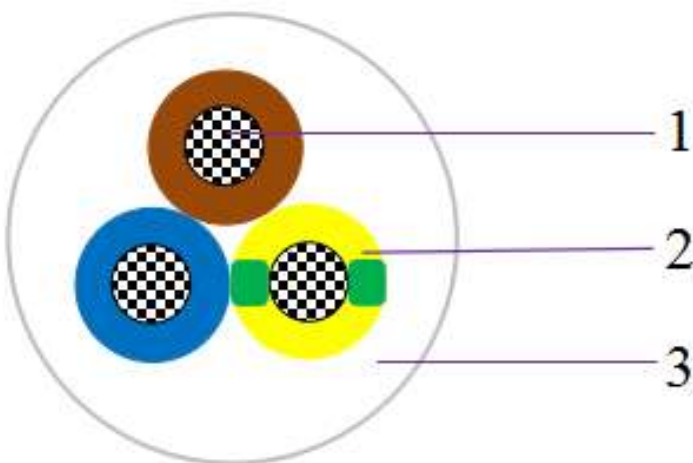
Datasheet

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

Stock No: 2101247



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 ± 0.008
Conductor dimension	1.58 ± 0.10 mm

Insulation

Insulation material	Silicone Rubber
Insulation thickness	0.70mm
Insulation dimension	3.00 ± 0.10 mm
Insulation color	Blue、Brown、Yellow

Jacket

Jacket material	Silicone Rubber
Jacket thickness	1.20mm
Jacket dimension	8.50 ± 0.50 mm
Color	White

Mechanical Physical Properties

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

Electrical properties

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