

BiZ FORT® Fiberglass silicone wire UL 3069



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	FORT® E12 acc. to DIN EN 50363-1
Sheath colour:	reddish red (similar RAL 3016)

Outstanding features:

- halogen-free
- flexible at low temperatures
- heat resistant

Technical data:

Nominal voltage:	600 V
Testing voltage U:	700 V
Min. bending radius:	5 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-40/+150 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °C
Halogen-free:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Corrosiveness of conflagration gases:	IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 – no development of corrosive conflagration gases
Chem. resistance:	see page N/9
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/14

Size (AWG)	Conductor		Insulation		Max Cond Resistance (Ω/KM)	Unit length (M)(Ft)
	Construction (No./mm)	Diameter (mm)	Nominal Thickness (mm)	Diameter (mm)		
26	7/0.16	0.48	0.93	2.34	143	305(1000)
24	7/0.20	0.61	0.93	2.47	89.3	305(1000)
22	7/0.254	0.77	0.93	2.63	56.4	305(1000)
20	7/0.31	0.94	0.93	2.80	35.2	305(1000)

