



DS-CT MECHANICAL & THERMAL PROTECTION

Silicon coated fiber glass sleeve

Application

Silicone glass fiber sleeve is woven by alkali-free glass fiber, coated with silicon resin and treated at high temperature. It has good dielectric, self-extinguishing performance and flexibility and is widely used in insulation protection for H&N level motor, household appliance. Electric heating equipment, special lighting, television and internal wire cluster of electronic equipment.

Technical indicators: volume resistance: $10^{10} \Omega \text{cm}$ self-extinguishing time: 10 seconds

Mode	Measures	The bumping of resistance	Temperature	Breakdown voltage rating	The average voltage	Individual value
DS-CT-15	UL 1441 UL224	UL VW-1	-10°C~+200°C	C2	1500V	1000V
DS-CT-25	UL 1441 UL224	UL VW-1	-10°C~+200°C	C1	2500V	1800V
DS-CT-40	UL 1441 UL224	UL VW-1	-10°C~+200°C	B	4000V	3000V
DS-CT-70	UL 1441 UL224	UL VW-1	-10°C~+200°C	A	7000V	5000V

Property

Item	Performance Indicators
To connecting the temperature range	-10°C~+200°C
Temperature	200°C $\pm$ 2°C、168 $\geq$ 1/2 (Original voltage solution)
Thermal Aging	260°C、6hours
Cold bending	No cracks
The horizontal combustion	> 30 seconds
Combustion vw-1	> 30 seconds
Volume resistivity	$10^{10} \Omega \cdot \text{cm}$
Hydrolytic stability	Non sticky, Non deformation, Nonsoftening

Inner diameter (mm)	Wall thickness					Packing (m/roll)
	1500V(T)	2500V(T)	4000V(T) (Fiber inside the outer plastic)	7000V(T) (Fiber inside the outer plastic)	7000V(T) (Fiber outer the inside plastic)	
Φ1.0+0.2-0	0.25±0.05	0.25±0.05	0.35±0.05	0.40±0.05	0.70±0.2	200
Φ1.5+0.2-0	0.25±0.05	0.25±0.05	0.35±0.05	0.45±0.05	0.70±0.2	200
Φ2.0+0.2-0	0.30±0.05	0.30±0.05	0.35±0.05	0.45±0.05	0.75±0.2	200
Φ2.5+0.3-0	0.30±0.05	0.30±0.05	0.40±0.05	0.45±0.05	0.75±0.2	100
Φ3.0+0.3-0.1	0.30±0.05	0.30±0.05	0.40±0.05	0.45±0.05	0.80±0.2	100
Φ3.5+0.3-0.1	0.30±0.05	0.30±0.05	0.40±0.05	0.50±0.05	0.80±0.2	100
Φ4.0+0.3-0.1	0.30±0.05	0.30±0.05	0.40±0.05	0.50±0.05	0.9±0.2	100
Φ4.5+0.3-0.1	0.30±0.05	0.30±0.05	0.45±0.05	0.50±0.05	0.9±0.2	100
Φ5.0+0.4-0.1	0.35±0.05	0.35±0.05	0.45±0.05	0.50±0.05	1.00±0.2	100
Φ5.5+0.4-0.1	0.35±0.05	0.35±0.05	0.45±0.05	0.50±0.05	1.00±0.2	100
Φ6.0+0.4-0.1	0.35±0.05	0.35±0.05	0.45±0.05	0.50±0.05	1.00±0.2	100
Φ7.0+0.4-0.1	0.35±0.05	0.35±0.05	0.50±0.05	0.55±0.05	1.00±0.2	100
Φ8.0+0.4-0.1	0.35±0.05	0.35±0.05	0.50±0.05	0.55±0.05	1.00±0.2	50
Φ9.0+0.4-0.2	0.35±0.05	0.35±0.05	0.50±0.05	0.55±0.05	1.00±0.2	50
Φ10.0+0.5-0.2	0.40±0.05	0.40±0.05	0.50±0.06	0.55±0.06	1.00±0.2	50
Φ11.0+0.5-0.2	0.40±0.05	0.40±0.05	0.50±0.06	0.60±0.06	1.00±0.2	50
Φ12.0+0.5-0.2	0.40±0.05	0.40±0.05	0.60±0.06	0.60±0.06	1.10±0.2	50
Φ13.0+0.5-0.2	0.40±0.05	0.40±0.05	0.60±0.06	0.60±0.06	1.10±0.2	50
Φ14.0+0.5-0.2	0.40±0.05	0.40±0.05	0.60±0.06	0.60±0.06	1.20±0.2	50
Φ15.0+0.5-0.2	0.40±0.05	0.40±0.05	0.60±0.06	0.60±0.06	1.20±0.2	50
Φ16.0+0.5-0.2	0.40±0.05	0.40±0.05	0.60±0.06	0.65±0.06	1.35±0.2	50
Φ17.0+0.6-0.3	0.45±0.05	0.45±0.05	0.60±0.06	0.65±0.06		50
Φ18.0+0.6-0.3	0.45±0.05	0.45±0.05	0.60±0.06	0.65±0.06		50
Φ19.0+0.6-0.3	0.45±0.05	0.45±0.05	0.60±0.06	0.65±0.06		50
Φ20.0+0.6-0.3	0.50±0.05	0.50±0.05	0.60±0.06	0.70±0.06		50
Φ25.0+0.6-0.3	0.55±0.05	0.55±0.05	0.65±0.06	0.75±0.06		25
Φ30.0+1.0-1.0	0.70±0.1	0.70±0.1				25
Φ35.0+1.0-1.0	0.80±0.1	0.80±0.1				25

*Standard white special colors available on request;Special sizes are available upon purchase order