



SR Series

- ◆ Load life of 2000 hours at 85°C
- ◆ Standard series for general purpose
- ◆ Applications for TV, video, audio, office and home appliances, etc.



Technical drawing of the cable head assembly. The side view shows a cable with a diameter of $\varnothing D$ and a length of $L + 2(\text{max})$. The cable is terminated with a Vinyl Sleeve and Rubber and Seal. The cable is made of $d \pm 0.05$ CP wire. The dimensions are: 15(min) for the sleeve length, 5(min) for the seal length, and $D + 0.5(\text{max})$ for the outer diameter of the sleeve. The cross-sectional view shows the cable with a diameter of $\varnothing D$ and a length of $L + 2(\text{max})$. The cable is terminated with a Vinyl Sleeve and Rubber and Seal. The cable is made of $d \pm 0.05$ CP wire. The dimensions are: 15(min) for the sleeve length, 5(min) for the seal length, and $D + 0.5(\text{max})$ for the outer diameter of the sleeve.

										mm
D	5	6.3	8	10	13	16	18	20	22	25
F	2.0	2.5	3.5	5.0		7.5		10.5		12.5
d	0.5		0.6			0.8			1	

Items	Characteristics															
Capacitance Tolerance (120Hz, 25°C)	± 20% (M)															
Rated Working Voltage Range	6.3 ~ 100Vdc								160 ~ 450Vdc							
Operation Temperature	-40°C ~ +85°C								-25°C ~ +85°C							
Leakage Current (25°C)	(After 2 minutes applying the DC working voltage)								(After 5 minutes applying the DC working voltage)							
	I ≤ 0.01CV or 3 (uA)								I ≤ 0.03CV + 10 (uA)							
	◆ I : Leakage Current (uA) ◆ C : Rated Capacitance (uF) ◆ V : Working Voltage (V)															
Surge Voltage (25°C)	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	S.V.	8	13	20	32	44	50	63	79	125	200	250	300	400	450	500
Dissipation Factor (120Hz, 25°C)	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	tan δ	0.25	0.20	0.17	0.15	0.12	0.12	0.10	0.10	0.10	0.15	0.15	0.15	0.20	0.20	0.20
	◆ For capacitance exceeding 1000 uF, add 0.02 per increment of 1000 uF															
Temperature Characteristics	W.V.	6.3	10	16	25	35	40	50	63	100	160	200	250	350	400	450
	- 25°C / + 25°C	4	4	3	3	2	2	2	2	2	3	3	3	6	6	6
	- 40°C / + 25°C	10	8	6	4	3	3	3	3	3	4	4	4	6	6	6
	◆ Impedance ratio at 120Hz															
Load Test	After 2000 hours application of WV at +85°C, the capacitor shall meet the following limits:															
	Capacitance Change	≤ ± 20% of initial value														
	tan δ	≤ 150% of initial specified value														
	Leakage Current	≤ initial specified value														
Shelf Test	After 1000 hours, no voltage applied at +85°C, the capacitor shall meet the following limits:															
	Capacitance Change	≤ ± 20% of initial value														
	tan δ	≤ 150% of initial specified value														
	Leakage Current	≤ 200% of initial specified value														

