

HEAT SHRINK CABLE ACCESSORY KITS

C15 Medium Voltage Heat Shrink Cable Accessory Kits 8.7/15 kV

Indoor outdoor and joint kits for 8.7/15 (17.5) kV single core and three core cable tested to IEC 60502-4



Voltage Class	8.7/15 (17.5) kV
Operating Temperature	-55 to 105 °C
Standard	IEC 60502-4:2010-12 and GB/T 12706.4
Cores Covered	1 and 3 core
Conductor Range	25 to 400 mm ²
Partial Discharge	10 pC maximum at 1.73 U ₀

Introduction

Single core, 3 cores cable accessories. Suitable for protection of indoor and outdoor electric power cable joint and termination up to 8.7/15 (17.5) kV.

Features

- Voltage class: 8.7/15 (17.5) kV
- Operating temperature: -55°C to 105°C
- Supplied by set, with the materials in the kit
- Well resistance against weather and damage
- Compliant Standard: IEC 60502-4: 2010-12, GB/T 12706.4

Test Procedures and Requirements for Heat-Shrinkable Terminations

No.	Test	Condition	Requirements	Test Sequence 1.1	1.2	1.3	1.4	1.5
1	AC and DC Voltage	4.5 U ₀ , 5min (AC) and 4.0 U ₀ , 15min (DC)	No breakdown, No flashover	X	X	X		
2	AC (wet, indoor)	4.0 U ₀ , 1min	No breakdown, No flashover	X				
3	Partial discharge	At 1.73 U ₀ (ambient temperature)	10 pC max.	X				
4	Impulse at θ _t	10 impulses of each polarity	No breakdown, No flashover	X				
5	Heating cycles in air (indoor)	60 cycles at θ _t and 2.5 U ₀	No breakdown, No flashover	X				
6	Immersion test (outdoor)	10 cycles at θ _t (IEC 61442: 2005 9.4)	/	X				

No.	Test	Condition	Requirements	Test Sequence 1.1	1.2	1.3	1.4	1.5
7	Partial discharge	At 1.73 U ₀ (at θ_t and ambient temperature)	10 pC max.		X	X		
8	Thermal short-circuit (screen)	two short-circuits at I _{sc} of the cable screen	No visible deterioration		X	X		
9	Thermal short-circuit (conductor)	two short-circuits to raise conductor to θ_{sc} of the cable	No visible deterioration		X	X		
10	Dynamic short-circuit	One short-circuit at I _d	No visible deterioration			X		
11	Impulse (ambient temperature)	10 impulses of each polarity	No breakdown, No flashover	X	X	X		
12	AC voltage	2.5 U ₀ , 15min	No breakdown, No flashover	X	X	X		
13	Humidity (Indoor)	300 hrs at 1.25 U ₀ , tripping times not more than three	No breakdown or flashover, no significant damage.				X	
14	Salt fog (Outdoor)	1000 hrs at 1.25 U ₀ , tripping times not more than three	No breakdown or flashover, no significant damage.					X
15	Examination	For information only	GB/T 12706.4 IEC 60502-4	X	X	X	X	X

Test Procedures and Requirements for Heat-Shrinkable Joint

No.	Test	Condition	Requirements	Test Sequence 2.1	2.2	2.3
1	AC and DC Voltage	4.5 U ₀ , 5min (AC) and 4.0 U ₀ , 15min (DC)	No breakdown, No flashover	X	X	X
2	Partial discharge	At 1.73 U ₀ (ambient temperature)	10 pC max.	X		
3	Impulse at θ_t	10 impulses of each polarity	No breakdown, No flashover	X		
4	Heating cycles in air	30 cycles at θ_t and 2.5 U ₀	No breakdown, No flashover	X		
5	Heating cycles in air (under water)	30 cycles at θ_t and 2.5 U ₀ , water height 1m	No breakdown, No flashover	X		

No.	Test	Condition	Requirements	Test Sequence 2.1	2.2	2.3
6	Partial discharge	At 1.73 U ₀ (at θ_t and ambient temperature)	10 pC max.	X		
7	Thermal short-circuit (screen)	two short-circuits at I _{sc} of the cable screen	No visible deterioration		X	X
8	Thermal short-circuit (conductor)	two short-circuits to raise conductor to θ_{sc} of the cable	No visible deterioration		X	X
9	Dynamic short-circuit	One short-circuit at I _d	No visible deterioration			X
10	Impulse (ambient temperature)	10 impulses of each polarity	No breakdown, No flashover	X	X	X
11	AC Voltage	2.5 U ₀ , 15min	No breakdown, No flashover	X	X	X
12	Examination	For information only	GB/T 12706.4 IEC 60502-4	X	X	X

8.7/15 (17.5) kV Selection

	Size of conductor (mm ²) 25-50	Cable core number 3	Product description NSY-1031	Installation Location Terminations Indoor
	70-120	3	NSY-1032	Terminations Indoor
	150-240	3	NSY-1033	Terminations Indoor
	300-400	3	NSY-1034	Terminations Indoor
	25-50	3	WSY-1031	Terminations Outdoor
	70-120	3	WSY-1032	Terminations Outdoor
	150-240	3	WSY-1033	Terminations Outdoor
	300-400	3	WSY-1034	Terminations Outdoor
	25-50	3	JSY-1031	Joint
	70-120	3	JSY-1032	Joint
	150-240	3	JSY-1033	Joint
	300-400	3	JSY-1034	Joint
	25-50	1	NSY-1011	Terminations Indoor
	70-120	1	NSY-1012	Terminations Indoor
	150-240	1	NSY-1013	Terminations Indoor
	300-400	1	NSY-1014	Terminations Indoor
	25-50	1	WSY-1011	Terminations Outdoor
	70-120	1	WSY-1012	Terminations Outdoor
	150-240	1	WSY-1013	Terminations Outdoor
	300-400	1	WSY-1014	Terminations Outdoor
	25-50	1	JSY-1011	Joint
	70-120	1	JSY-1012	Joint
	150-240	1	JSY-1013	Joint
	300-400	1	JSY-1014	Joint

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