

# Cable

# 1. Cable

Cable 1900 Cable 1920  
 OF Cable  
 Cable 40 Cable  
 Cable (ER), (PE),  
 (EPR)  
 1950 CV Cable

2.1

[ 2.1]

				Sheath	(V)	( )
		IV	PVC	-	600	60
		HIV	PVC	-	600	75
		XHHW	XLPE	-	600	90
		OW	PVC	-	600	60
		OC	XLPE	-	600~22900	90
	( )	GV	PVC	-	600	60
		KIV	PVC	-	600	60
Cable		VV	PVC	PVC	600~22900	60
		HVV	PVC	PVC	600~22900	75
		CV	XLPE	PVC	600~22900	90
		CE	XLPE	PE	600~22900	90
		CVV	PVC	PVC		60
		CEV	PE	PVC		70
		CCV	XLPE	PVC		90

XLPE

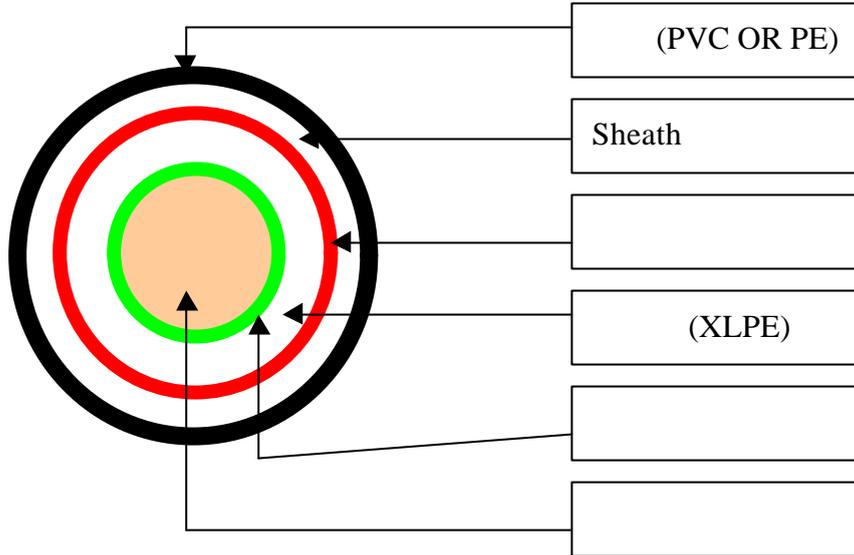
Cable

CV, CE

가. CV(CE) Cable

6.6KV Cable  
2.1

CV CE Cable  
2.2



[ 2.1] CV(CE) Cable

[ 2.2] Cable

	- (Cu) or (Al)
	-
	- Cable
	- XLPE
	- , ,
	-
(Shield)	- .
	- 가
(Sheath)	- , , - CV Cable PVC , CE Cable PE

[ 2.3] PVC XLPE

		가		
		PVC	XLPE	PE
		1.2~ 1.5	0.92	0.92
(kg/mm <sup>2</sup> )		1.5 ~2.5	1.5 ~ 2.3	1.2 ~ 1.5
( )	Normal	60	90	75
	Short Circuit	160	230	190
(KV/mm)		20~35	35~50	35~50
(20 ,60HZ)		6~8	2.3	2.3
( -cm)		10 <sup>12</sup> ~10 <sup>15</sup>	10 <sup>18</sup>	10 <sup>18</sup>

## 2. Cable

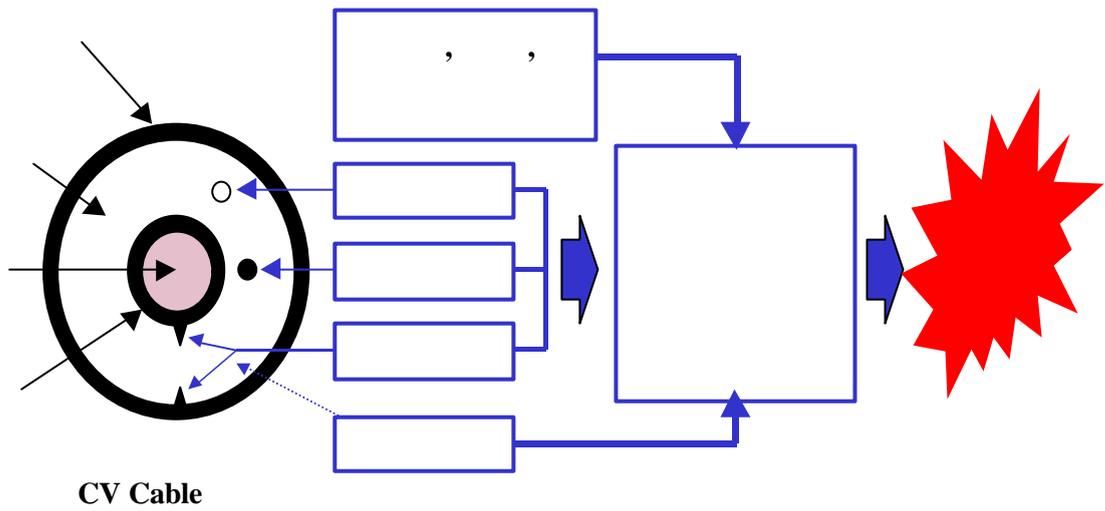
가 CV CE Cable XLPE

### 가. CV(CE) Cable

CV(CE) Cable

Tree, Tree

#### 2.2 CV(CE)Cable



#### [ 2.2] CV(CE) Cable

Void

가

가

Tree

가

가

Tree

가

2.4

CV(CE) Cable

Process

[ 2.4]

**Process**

	MODE	PROCESS	
	( )		가
	( )	,	
( )	TREE ( )	TREE	
	( )		가
(Void, )	TREE ( )		

• **CV(CE) Cable**

'81~'86

가

12.1%가 Cable

가

66.3%

11.8 %

Cable

가

42%

, 42%

Tree)가

70%

Tree

가

가

. **Tree**

Tree  
가  
Tree, Tree 가 . Void Cable Tree Tree, Cable  
Tree 가  
가  
가  
Tree Tree  
가 .  
Tree 3 가 .  
가) Tree  
Cable 가 ,  
가 .  
) Bow-Tie Tree  
Void 가  
Tree .  
) Tree , Tree Cable  
Cable Tree 가  
Cable Tree  
가 Tree  
가

## 2. Cable

Cable 1950 , , ,  
 가 Cable

가.

Cable

2.5 .

[ 2.5] Cable

	Megger	가 ,	Tree
	Hi-po. Tester	,	가 가 , Cable 가
(Tan )	AC or VLF Tan	Tree 가 Tan 가	
		Void, Tree, PD , Void, 가 가	Noise , AC

1)

(Megger) Shield DC 가  
 ( 1 ) .

2)

가  
 가 , 가 가 가 Kick  
 Cable 가 .

3) Cable (Tan ) 가 가 가 .  
Cable 가,

4) Cable , ( , )  
가 , .

5) 가 , 2.6  
6.6KV .

[ 2.6] Cable 가

	가	
	DC100~2000V	: 2000M : 1000M ~2000M : 1000M
	DC 10KV	: 1 $\mu$ A : 1~10 $\mu$ A : 10 $\mu$ A
	AC 3.8KV	: 0.5 [%] : 0.5~5 [%] : 5 [%]
	DC 10KV AC 6600V	: 1000pc

. 가

2.7 ,

[ 2.7] Cable

	Cable Shield AC Tree DC	- 가 - 6.6KV Cable 가 - Sheath 가
	DC 50V NGR GPT 1	- DC50V GPT1 - 22.9KV 가 - Sheath 가
(AE)		- Cable -





3.2

Cable

Shield

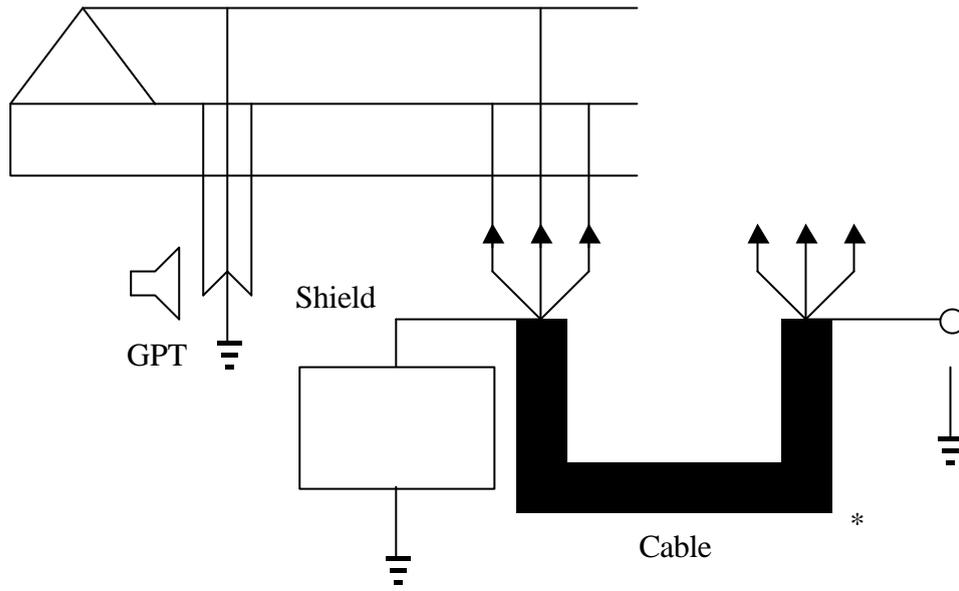
, GPT,

,

Cable,

Cable Shield

Shield



[ 3.2]

2.

(3.3KV~6.6KV)

1.5V

Shield

Hitachi

Cable

Tree

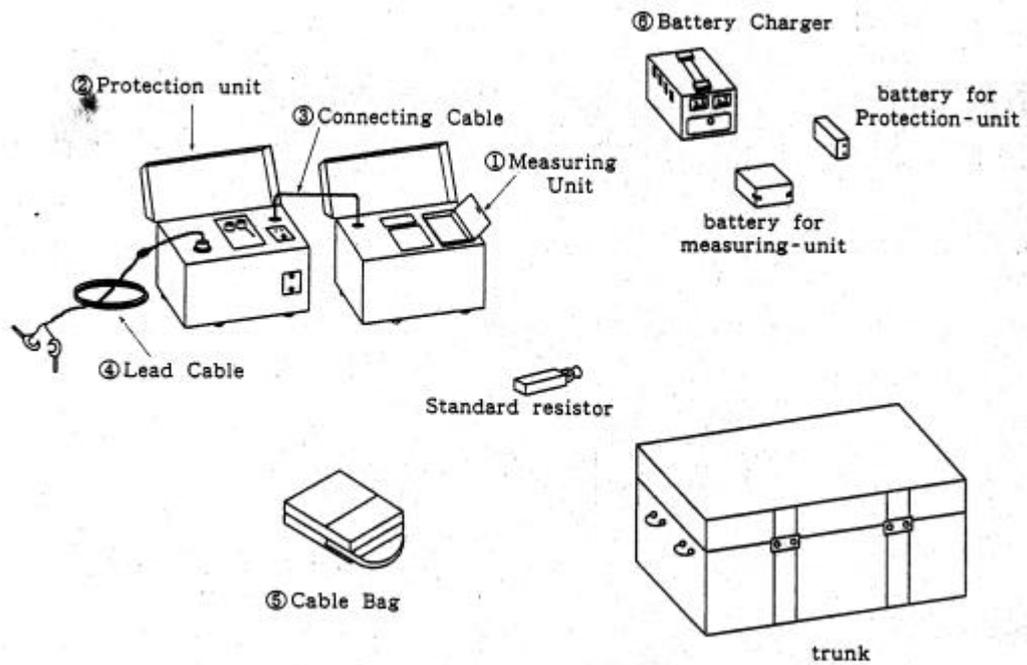
Cable

가

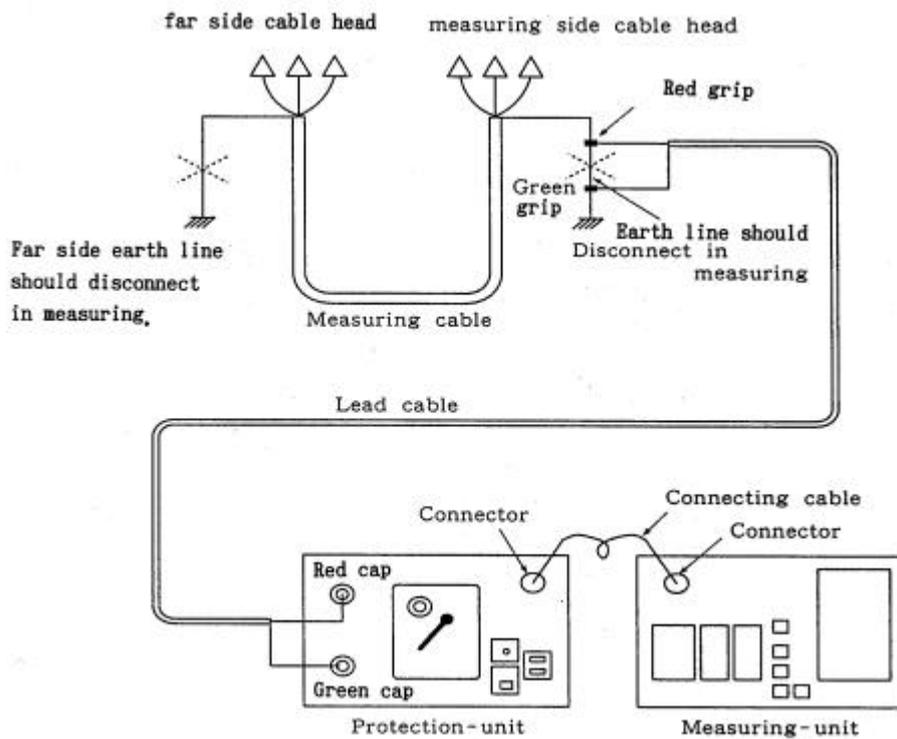
가.

3.3

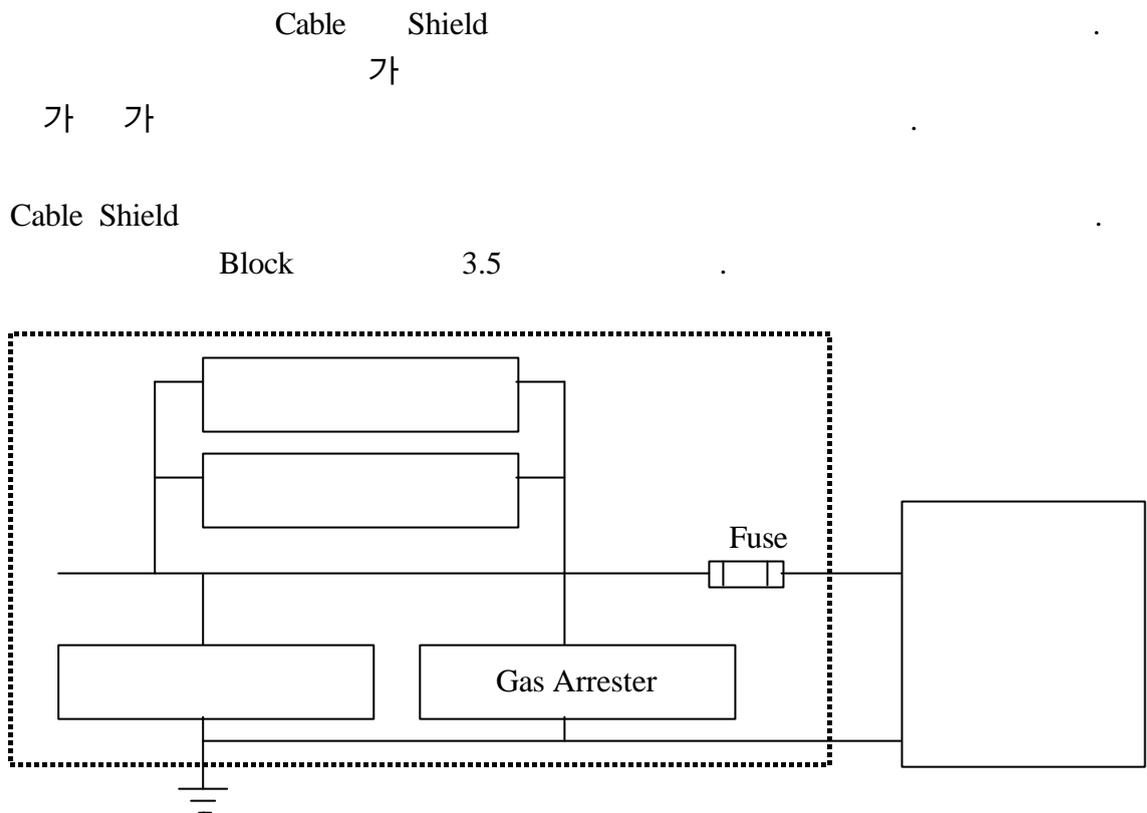
3.4



[ 3.3]



[ 3.4]



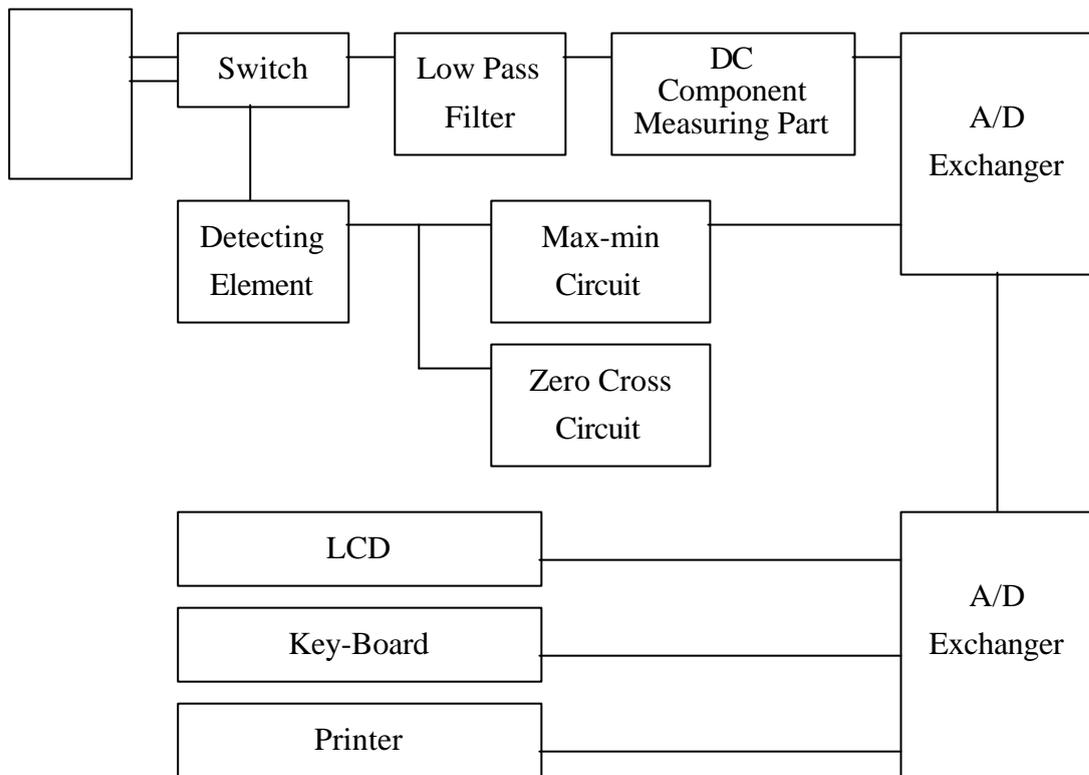
[ 3.5] Block

가 ( , ), , /  
가 ,  
Check , Battery  
Fail-Safe 가  
3.1 .

[ 3.1]

(Gas Arrester, Battery )	AC 7200V, 60
	AC 4000A, 0.4 , 1
	AC 100V (Peak )
/	AC 90V±10V (Peak ), 10mS
/	AC 0.9A ±0.1A(Peak ), 10mS
	30mS

3.6 Block Diagram, Cable, Print, 3.2



[ 3.6] Block

[ 3.2]

	DC 1nA~1mA ( ±5% Full Scale) 0~40°C
Sheath	1~2000MΩ

Connecting Cable, Battery Charger, Cable Shield Calibration, Lead Cable, 12V Battery, Standard Resistance 가

3.

Tree Cable , Cable  
3.3

[ 3.3]

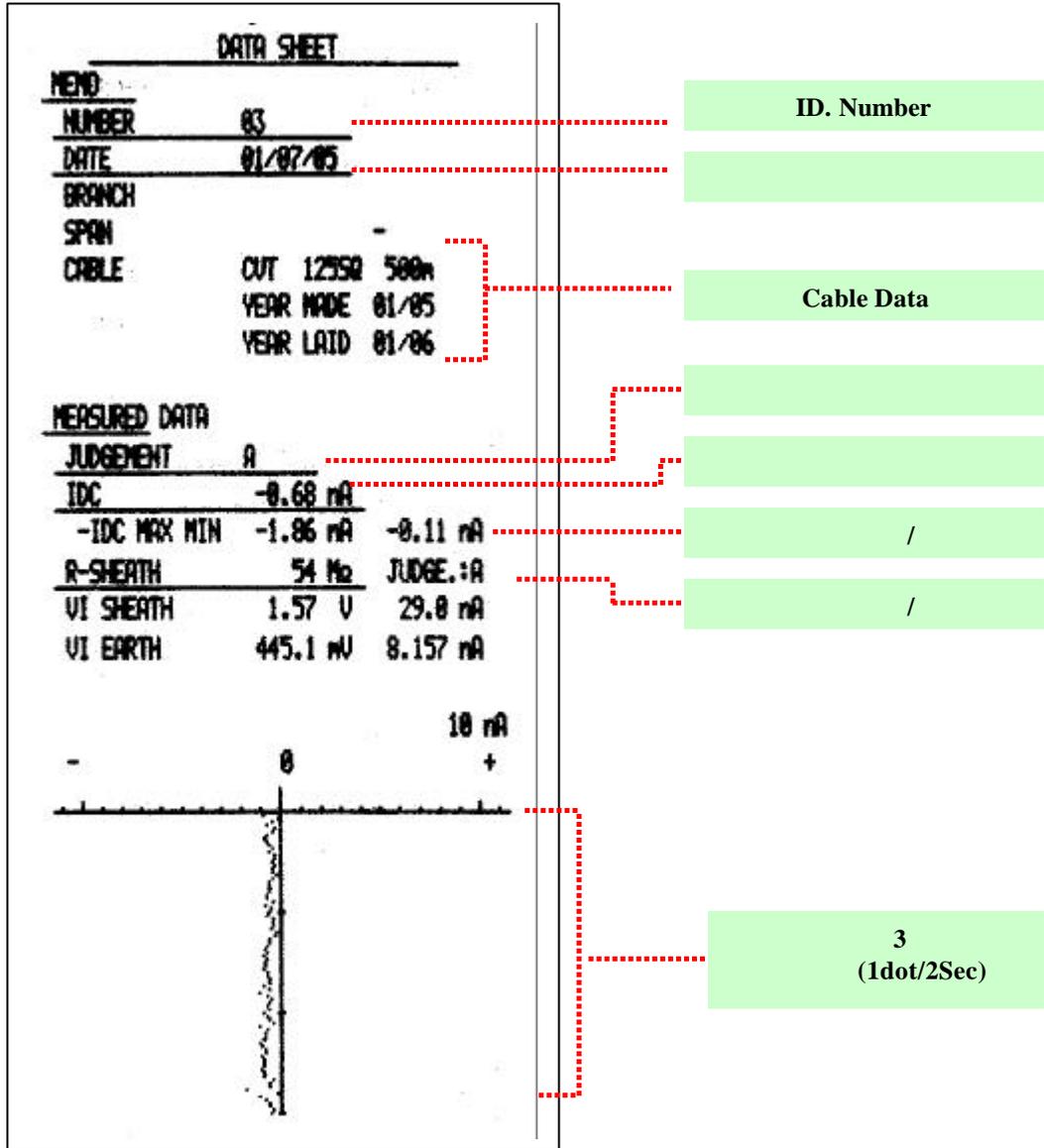
	A ( )	1 M	-
	C ( )	1 M	-
	A ( )	10nA	- 3 Trend
	B ( )	10nA ~100nA	- 1 Trend
	C ( )	100nA	- 6 Trend
		: 100nA	- Cable
	* ( )		-

1) Stray Current 가  
가 Tree

2) Shield 가  
100mA 가  
Cable 가

Data Sheet

3.7



[ 3.7] Data Sheet