GROUP B

케이블 접속재
Cable Accessory

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3.3kV 일체형 종단접속재 Single-piece Cable Termination for 3.3kV

• 용도 APPLICATION – 지중용 케이블 끝단의 절연체의 보강으로 케이블 수명 연장 및 섬락 방지를 위한 종단 접속재

3SMT series of termination provides a class 1 indoor termination conforming to the requirements of IEEE Std. 48-1990 for 3.3kV system Typical uses for 3SMT are in pole-mounted transformer and for motor connection.

3SMT for application through 3.3kV is designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. **3SMT** is designed for aluminum or copper conductors in the 8 to 500㎟

• 시공 INSTALLATION – 케이블 준비가 완료되면 종단접속재 하우징을 케이블 절연체 위로 밀어넣은 후, 단자를 압착한다.

After cable preparation, the housing is slid down over the bared cable insulation until it seats on the cable shield. Terminal lug suitable for the conductor size is crimped.

• 정격 / RATINGS

This product is designed for use on
System Voltage : 3.3kV
Impulse Voltage(1.2×50μs) : 75kV
Partial Discharge (Corona) : 5.4kV/3pC
15min. Dry Withstand (D.C.) : 50kV
1min Dry Withstand (A.C.) : 25kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

3SMT

SINGLE-PIECE CABLE
TERMINATION for 3.3kV

특징 FEATURE

· 옥내외 구분 없이 설치	· Suitable for Indoor and Outdoor
· 조립형으로 설치 용이	· Easy to Install
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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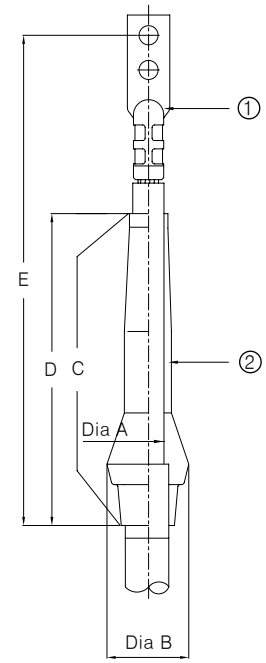
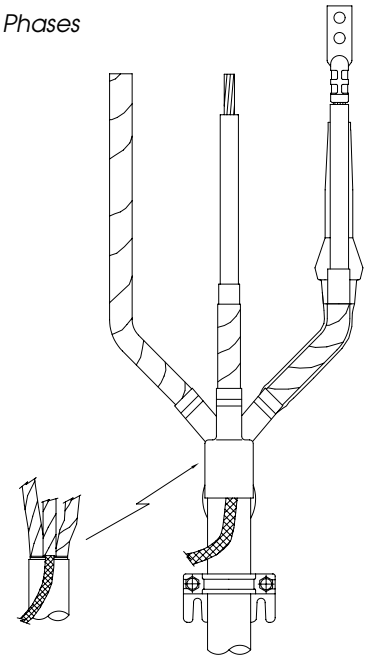
3.3kV 일체형 종단접속재
SINGLE-PIECE CABLE TERMINATION FOR 3.3kV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
EB	32	115	215	8.0	10.5	150
EF	36		225	10.5	13.0	
FAB	40		236	15.5	18.5	
GH	44		247	18.5	22.5	
HA	49.6		270	25.0	28.0	
HJ	54.5		281	30.0	33.0	
JB	59.1		295	33.5	37.0	

구조 / Construction

No.	Descripion	Material	Color
1	rubber housing	EPDM rubber	Gray
2	terminal lug	Tinned Cu	-

1. Rubber Housing : Molded of special EPDM compounds for functional reliability and long life.
2. Termial Lug : According to buyer's request, 2 hole lug is also available.

주문방법 / Ordering Information (우측의 표 이용)

To order the single-piece termination, complete the ordering formula, 3SMT-W-X-Y, The ordering formula is completed as follows

1. Determine the diameter of the cable over the insulation. Do not measure the diameter over the insulation shield.
2. For the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range. Insert this symbol for W in the ordering formula.
3. From the table X, select the symbol which represents the size and type of the cable conductor. insert this symbol for X in the ordering formula.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for a standard single-piece indoor termination for three phases for 120㎟ copper cable with an insulation diam

Table W

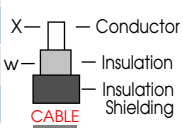
Sym bol	Insulation Dia	
	Min	Max
EB	8.0	10.5
EF	10.5	13.0
FAB	15.5	18.5
GH	18.5	22.5
HA	25.0	28.0
HJ	30.0	33.0
JB	33.5	37.0

Table X

Sym bol	Conductor Size(㎟)
25	25
35	35
50	50
70	70
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500

Table Y

Sym bol	No of phases
1	1
3	3



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6.6kV 일체형 종단접속재 Single-piece Indoor Cable Termination for 6.6kV

• **용도 APPLICATION** – 케이블 단말 처리를 위한 전계분포 완화와 케이블 종단 밀폐 및 섬락 방지를 위한 옥내용 일체형 종단접속재

6SIT/6SMT series of termination provides a class 1 indoor/outdoor termination conforming to the requirements of IEEE Std. 48-1990 for 8.7kV system and IEC Std. 60502-4-1997 through 11kV system. Typical uses for 6SIT are in pole-mounted transformer and for motor connection, and typical uses for 6SMT would be on the riser poles either at the substation or on the distribution line.

6SIT/6SMT for application through 11kV are designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. 6SIT/6SMT are designed for aluminum or copper conductors in the 25 to 630mm2.

• **시공 INSTALLATION** – 케이블 준비가 완료되면 종단접속재 하우징을 케이블 절연체 위로 밀어넣은 후, 단자를 압착한다.

After cable preparation, the housing is slid down over the bared cable insulation until it seats on the cable shield. Terminal lug suitable for the conductor size is crimped.

• **정격 / RATINGS**

System Voltage : 6/10kV
Impulse Voltage(1.2×50μs) : 95kV
Partial Discharge (Corona) : 9kV/3pC
15min. Dry Withstand (D.C.) : 65kV
1min Dry Withstand (A.C.) : 35kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

6SIT 6SMT

SINGLE-PIECE INDOOR CABLE TERMINATION FOR 6.6kV

특징 FEATURE

· 컴팩트한 디자인	· Compact Design
· 조립형으로 설치 용이	· Easy to Install
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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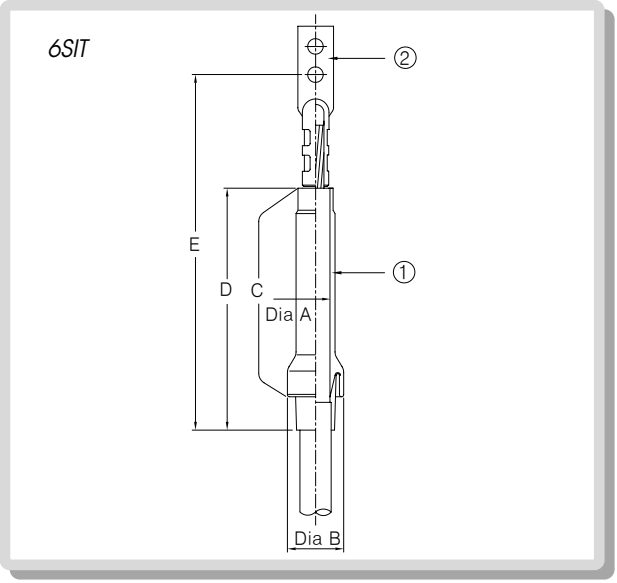
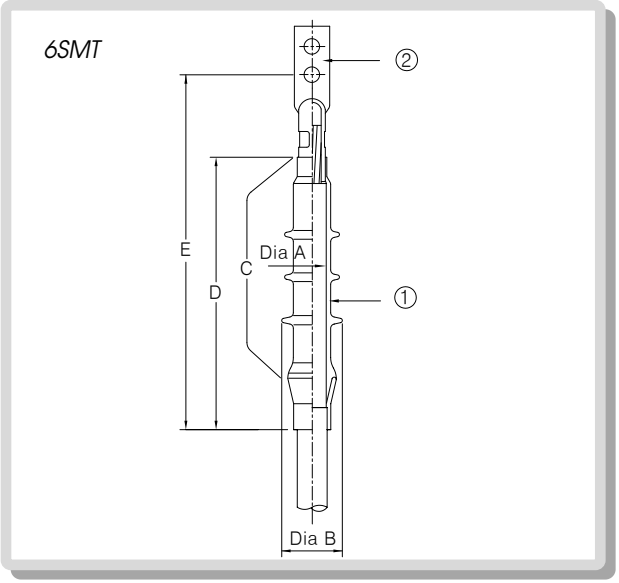
6.6kV 일체형 종단접속재
SINGLE-PIECE CABLE TERMINATION FOR 6.6kV

도면 Drawing





치수 / Dimension(6SIT)

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
EB	31.7	200	253	11.0	14.0	197.8
EF	32.8		255	12.5	15.5	
FA	34.6		255	14.0	17.0	
FAB	36.6		262	15.5	18.5	
GA	40.3	210	280	18.5	21.5	203.7
GH	43.0		286	21.5	24.5	
HA	46.6		295	24.5	27.5	
HJ	52.0		312	26.5	29.0	
JA	54.7		312	29.5	32.0	
JAB	57.4		320	32.0	35.0	
JB	60.0		320	35.0	38.0	

치수 / Dimension(6SMT)

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
EB	33.4	214	247	11.0	14.0	210
EF	34.5		252	12.5	15.5	
FA	36.3		252	14.0	17.0	
FAB	38.3		258	15.5	18.5	
GA	41.0		268	18.5	21.5	
GH	43.7		274	21.5	24.5	
HA	47.3		279	24.5	27.5	
HJ	62.2	225	302	26.5	29.0	250
JA	64.9		307	29.5	32.0	
JAB	71.6		320	32.0	35.0	260
JB	74.3		330	35.0	38.0	

구조 / Construction

No.	Descripion	Material	Color
1	rubber housing	EPDM rubber	Gray
2	terminal lug	Tinned Cu	-

Table W

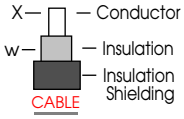
Sym bol	Insulation Dia	
	Min	Max
EB	11.0	14.0
EF	12.5	15.5
FA	14.0	17.0
FAB	15.5	18.5
GA	18.5	21.5
GH	21.5	24.5
HA	24.5	27.5
HJ	26.5	29.0
JA	29.5	32.0
JAB	32.0	35.0
JB	35.0	38.0

Table X

Sym bol	Conductor Size(㎟)
25	25
35	35
50	50
70	70
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500

Table Y

Sym bol	No of phases
1	1
3	3



주문방법 / Ordering Information

(우측의 표 이용)

To order 6SIT or 6SMT, complete the ordering formula, 6SIT/SMT-W-X-Y.

1. Determine the application, SIT for indoor and SMT for outdoor.
2. Determine the diameter of the cable over the insulation.
3. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
4. From the Table X, select the symbol which represents the size, and insert this symbol for X.
5. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an indoor termination for 6.6kV three phases for 120㎟ copper cable with an insulation diameter of 19.0㎜ is 6SIT-FAB-120-3.

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25kV 옥내용 일체형 종단접속재 Single-piece Indoor Cable Termination for 25kV

• 용도 APPLICATION – 케이블 단말 처리를 위한 전계 분포 완화, 케이블 종단 밀폐 및 섬락 방지를 위한 옥내용 일체형 종단접속재

25SIT series of termination provides a class 1 indoor termination conforming to the requirements of IEEE Std. 48-1990 for 25kV system and IEC Std. 60502-4-1997 through 12/20(24)kV system. Typical uses for 25SIT are in pole-mounted transformer and for motor connection,

25SIT for application through 25kV are designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. **25SIT** is designed for aluminum or copper conductors in the 35 to 630mm2.

• 시공 INSTALLATION – 케이블 준비가 완료되면 종단접속재 하우징을 케이블 절연체 위로 밀어넣은 후, 단자를 압착한다.

After proper cable preparation, installation is accomplished by first sliding the stress cone base onto the cable until it seats on the cable shield. Next, the 4 modules are slid on the cable. Terminal lug suitable for the conductor size is crimped on and a waterproof cap is added.

• 정격 / RATINGS

System Voltage : 25kV
Impulse Voltage(1.2×50μs) : 125kV
Partial Discharge (Corona) : 21.5kV/3pC
15min. Dry Withstand (D.C.) : 105kV
1min Dry Withstand (A.C.) : 65kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

25SIT

SINGLE-PIECE INDOOR
CABLE TERMINATION FOR 25kV

특징 FEATURE

· 반영구적 제품	· Long Durability
· 협소한 공간에서 작업 용이	· Installable at Narrow Space
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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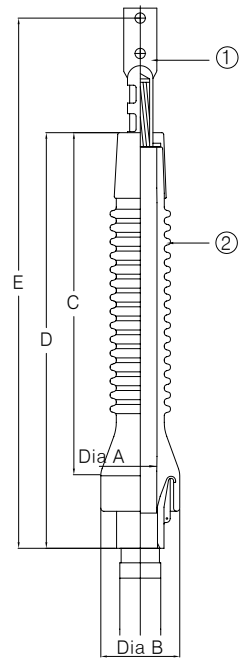
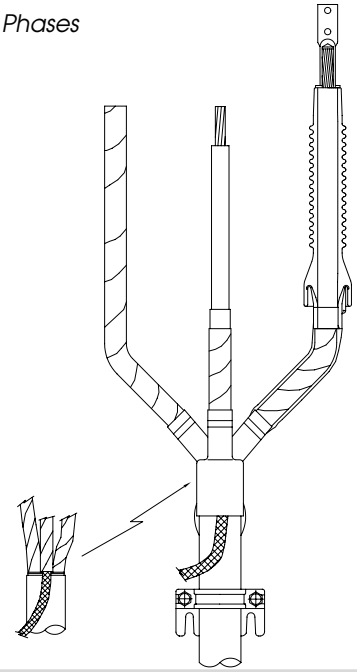
25kV 옥내용 일체형 종단접속재
SINGLE-PIECE INDOOR CABLE TERMINATION FOR 25KV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	B	D	E	Min	Max	C
G	60.2	385.5	547	22.5	25.0	345.5
J				24.5	27.5	
N	65.6			27.5	30.0	
JA		385	569	29.5	32.5	
JAB	69.9			32.5	34.5	
JB		381.5	565.5	34.5	37.5	
KA	73.0	384.5	568.5	37.0	39.5	
KB				39.5	42.5	
PA	80.4			42.5	45.0	
PB				45.0	49.5	
Q	88.9			49.5	53.5	
R				53.5	55.0	

구조 / Construction

No.	Descripion	Material	Color
1	rubber housing	EPDM rubber	Gray
2	terminal lug	Tinned Cu	-

Table W

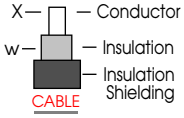
Symbol	Insulation Dia	
	Min	Max
G	22.5	25.0
J	24.5	27.5
N	27.5	30.0
JA	29.5	32.5
JAB	32.5	34.5
JB	34.5	37.5
KA	37.0	39.5
KB	39.5	42.5
PA	42.5	45.0
PB	45.0	49.5
Q	49.5	53.5
R	53.5	55.0

Table X

Symbol	Conductor Size(㎟)
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500
630	630
800	800
1000	1000

Table Y

Symbol	No of phases
1	1
3	3



주문방법 / Ordering Information (우측의 표 이용)

To order 25SIT, complete the ordering formula, 25SIT-W-X-Y.

1. Determine the diameter of the cable over the insulation.
2. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
3. From the Table X, select the symbol which represents the size, and insert this symbol for X.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an indoor termination for 25kV three phases for 120㎟ copper cable with an insulation diameter of 25.0㎜ is 25SIT-J-120-3.

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25kV 옥외용 일체형 종단접속재 Single-piece Outdoor Cable Termination for 25kV

• 용도 APPLICATION – 케이블 단말 처리를 위한 전계 분포 완화와 케이블 종단 밀폐 및 섬락 방지를 위한 옥외용 일체형 종단접속재

25SMT series of termination provides a class 1 outdoor termination conforming to the requirements of IEEE Std. 48-1990 for 25kV system and IEC Std. 60502-4-1997 through 12/20(24)kV system. Typical uses for 25SIT are in pole-mounted transformer and for motor connection,

25SMT for application through 25kV are designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. **25SMT** is designed for aluminum or copper conductors in the 95 to 300mm² .

• 시공 INSTALLATION – 케이블 준비가 완료되면 종단접속재 하우징을 케이블 절연체 위로 밀어넣은 후, 단자를 압착한다.

After cable preparation, the housing is slid down over the bared cable insulation until it seats on the cable shield. Terminal lug suitable for the conductor size is crimped.

• 정격 / RATINGS

25SMT is designed for use on
System Voltage : 25kV
Impulse Voltage(1.2×50μs) : 125kV
Partial Discharge (Corona) : 21.5kV/3pC
15min. Dry Withstand (D.C.) : 105kV
1min Dry Withstand (A.C.) : 65kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

25SMT

SINGLE-PIECE OUTDOOR
CABLE TERMINATION FOR 25kV

특징 FEATURE

· 반영구적 제품	· Long Durability
· 협소한 공간에서 작업 용이	· Installable at Narrow Space
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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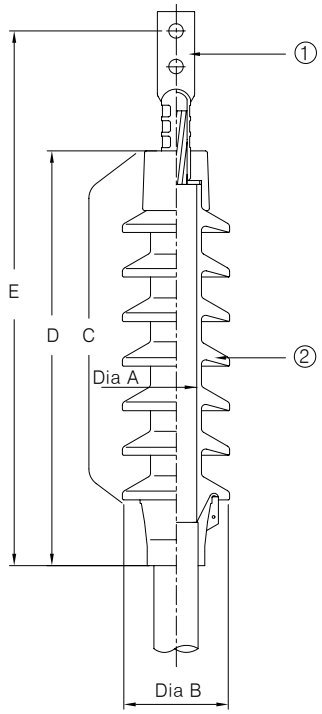
25kV 옥외용 일체형 종단접속재

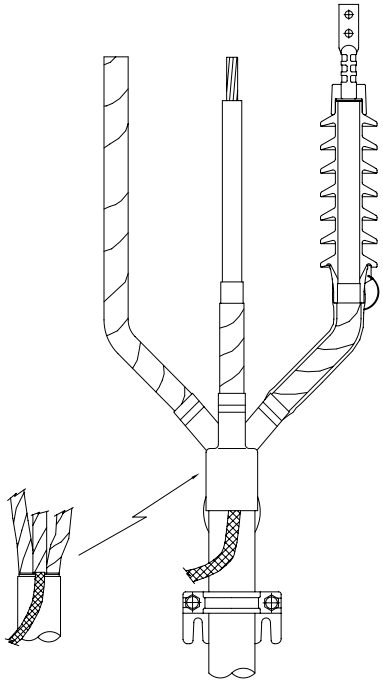
SINGLE-PIECE OUTDOOR CABLE TERMINATION FOR 25KV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description		Insulation Diameter A(㎜)	
	A	Dia B	Min	Max
G	477	60	22.5	25.1
J			24.5	29.5
N		66	27.2	30.5
JA			29.1	32.8

구조 / Construction

No.	Descripion	Material	Color
1	rubber housing	EPDM rubber	Gray
2	terminal lug	Tinned Cu	-

주문방법 / Ordering Information (우측의 표 이용)

To order 25SMT, complete the ordering formula, 25SMT-W-X-Y.

1. Determine the diameter of the cable over the insulation.
2. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
3. From the Table X, select the symbol which represents the size, and insert this symbol for X.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an outdoor termination for 25kV three phases for 120㎟ copper cable with an insulation diameter of 25.0㎜ is 25SMT-J-120-3.

Table W

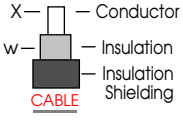
Sym bol	Insulation Dia	
	Min	Max
G	22.5	25.1
J	24.5	29.5
N	27.2	30.5
JA	29.1	32.8

Table X

Sym bol	Conductor Size(㎟)
35	35
50	50
70	70
95	95
120	120
150	150
185	185
240	240
300	300

Table Y

Sym bol	No of phases
1	1
3	3



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15kV 옥외용 모듈형 종단접속재 Modular Type Cable Termination for 15kV

• 용도 APPLICATION

– 케이블 단말 처리를 위한 전계분포 완화와 케이블 종단 밀폐 및 섬락 방지를 위한 옥외용 모듈형 종단접속재

15MT series of termination provides a class 1 outdoor termination conforming to the requirements of IEEE Std. 48-1990 for 15kV system and IEC Std. 60502-4-1997 through 15kV system. Typical uses for 15MT termination are in switchgear and pad-mounted transformers.

15MT series termination for application through 15kV is designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. 15MT terminations are designed for aluminum or copper conductors in the 95 to 1,000mm2.

• 시공 INSTALLATION

– 케이블 준비가 완료되면, 종단접속재, 스트레스 콘, 모듈 등을 케이블 절연체위로 밀어 넣은 후, 단자를 압착한다.

After proper cable preparation, installation is accomplished by first sliding the stress cone base onto the cable until it seats on the cable shield. Next, the 4 modules are slid on the cable. Terminal lug suitable for the conductor size is crimped on and a waterproof cap is added.

• 정격 / RATINGS

System Voltage : 15kV
Impulse Voltage(1.2×50μs) : 110kV
Partial Discharge (Corona) : 13kV/3pC
15min. Dry Withstand (D.C.) : 75kV
1min Dry Withstand (A.C.) : 50kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

15MT

MODULAR TYPE CABLE TERMINATION FOR 15kV

특징 FEATURE

· 전계분포를 위한 특수 설계	· Electrical Stress Control
· 전압에 따라 날개의 수 조정	· Number of Sheds Changeable
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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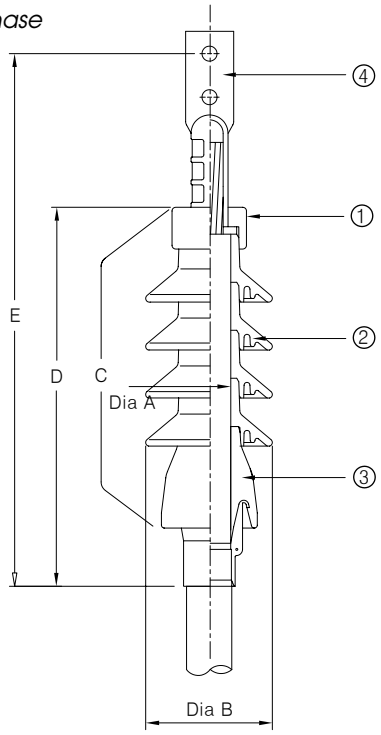
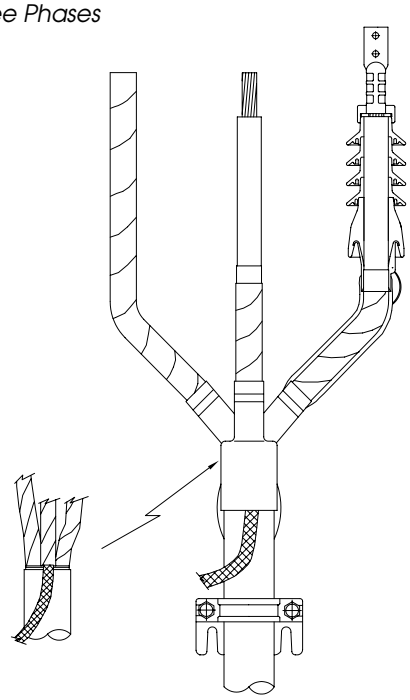
15kV 옥외용 모듈형 종단접속재
MODULAR TYPE CABLE TERMINATION FOR 15KV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
G	95.5	292	431	21.0	23.5	530
J		325	463	23.0	25.0	614
N		292	431	25.5	28.0	530
JA	108	303	442	28.5	31.0	555
JAB		330	490	30.0	32.5	615
JB		300	465	31.5	34.0	555
KA		330	490	34.5	37.0	615
KB		303	464	37.5	40.0	555
PA				40.5	43.0	555
PW	120	325	486	42.5	45.0	745
Q		303	464	48.5	51.5	582

구조 / Construction

No.	Descripion	Material	Color
1	rain cap	EPDM rubber	Gray
2	module(skirt)	EPDM rubber	Gray
3	stress cone	EPDM rubber	-
4	terminal lug	Tinned Cu	-

Table W

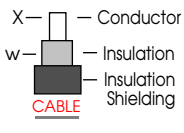
Sym bol	Insulation Dia	
	Min	Max
G	21.0	23.5
J	23.0	25.0
N	25.5	28.0
JA	28.5	31.0
JAB	30.0	32.5
JB	31.5	34.0
KA	34.5	37.0
KB	37.5	40.0
PA	40.5	43.0
PW	42.5	45.0
Q	48.5	51.5

Table X

Sym bol	Conductor Size(㎟)
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500
630	630
800	800
1000	1000

Table Y

Sym bol	No of phases
1	1
3	3



주문방법 / Ordering Information (우측의 표 이용)

To order 15MT, complete the ordering formula, 15MT-W-X-Y

1. Determine the diameter of the cable over the insulation.
2. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
3. From the Table X, select the symbol which represents the size, and insert this symbol for X.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an outdoor termination for 15kV three phases for 120㎟ copper cable with an insulation diameter of 22.0㎜ is 15MT-G-120-3.

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25kV 옥외용 모듈형 종단접속재 Modular Type Cable Termination for 25kV

• 용도 APPLICATION

– 케이블 단말 처리를 위한 전계분포 완화와 케이블 종단 밀폐 및 섬락 방지를 위한 옥외용 모듈형 종단접속재

35MT series of termination provides a class 1 outdoor termination conforming to the requirements of IEEE Std. 48-1990 for 25kV system and IEC Std. 60502-4-1997 through 25kV system. Typical uses for 35MT termination are in switchgear and pad-mounted transformers.

35MT series termination for application through 25kV is designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. 35MT terminations are designed for aluminum or copper conductors in the 95 to 1,000mm² .

• 시공 INSTALLATION

– 케이블 준비가 완료되면, 종단접속재, 스트레스 콘, 모듈 등을 케이블 절연체위로 밀어 넣은 후, 단자를 압착한다.

After proper cable preparation, installation is accomplished by first sliding the stress cone base onto the cable until it seats on the cable shield. Next, the 6 modules are slid on the cable. Terminal lug suitable for the conductor size is crimped on and a waterproof cap is added.

• 정격 / RATINGS

System Voltage : 25kV
Impulse Voltage(1.2×50μs) : 150kV
Partial Discharge (Corona) : 21.5kV/3pC
15min. Dry Withstand (D.C.) : 105kV
1min Dry Withstand (A.C.) : 65kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

35MT

MODULAR TYPE CABLE TERMINATION FOR 25kV

특징 FEATURE

· 전계분포를 위한 특수 설계	· Electrical Stress Control
· 전압에 따라 날개의 수 조정	· Number of Sheds Changeable
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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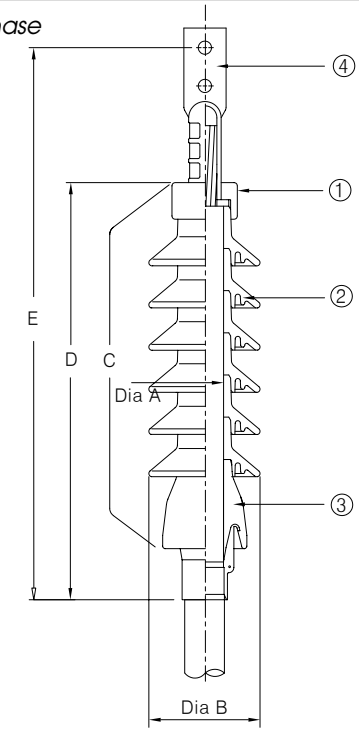
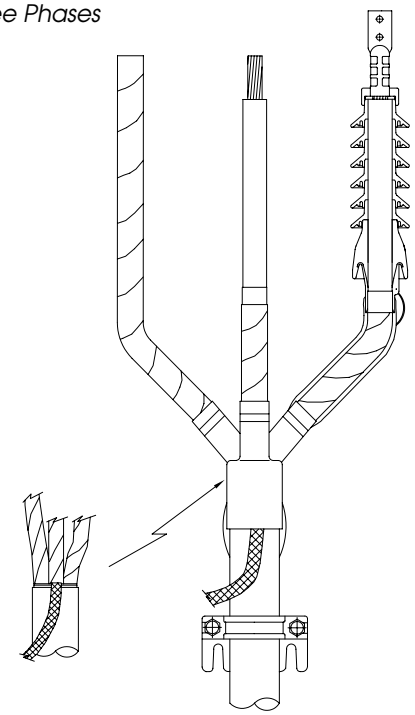
25kV 옥외용 모듈형 종단접속재
MODULAR TYPE CABLE TERMINATION FOR 25KV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
G	95.5	374	513	21.0	23.5	750
J		411	549	23.0	25.0	841
N		374	513	25.5	28.0	750
JA	108	385	524	28.5	31.0	776
JAB		418	582	30.0	32.5	840
JB		381	546	31.5	34.0	776
KA		418	578	34.5	37.0	840
KB		385	546	37.5	40.0	776
PA				40.5	43.0	776
PW	120	411	572	42.5	45.0	980
Q		385	546	48.5	51.5	816

구조 / Construction

No.	Descripion	Material	Color
1	rain cap	EPDM rubber	Gray
2	module(skirt)	EPDM rubber	Gray
3	stress cone	EPDM rubber	-
4	terminal lug	Tinned Cu	-

Table W

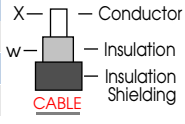
Symbol	Insulation Dia	
	Min	Max
G	21.0	23.5
J	23.0	25.0
N	25.5	28.0
JA	28.5	31.0
JAB	30.0	32.5
JB	31.5	34.0
KA	34.5	37.0
KB	37.5	40.0
PA	40.5	43.0
PW	42.5	45.0
Q	48.5	51.5

Table X

Symbol	Conductor Size(㎟)
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500
630	630
800	800
1000	1000

Table Y

Symbol	No of phases
1	1
3	3



주문방법 / Ordering Information (우측의 표 이용)

To order 35MT, complete the ordering formula, 35MT-W-X-Y.

1. Determine the diameter of the cable over the insulation.
2. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
3. From the Table X, select the symbol which represents the size, and insert this symbol for X.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an outdoor termination for 25kV three phases for 120㎟ copper cable with an insulation diameter of 25.0㎜ is 35MT-J-120-3.

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35kV 옥외용 모듈형 종단접속재 Modular Type Cable Termination for 35kV

• 용도 APPLICATION – 케이블 단말 처리를 위한 전계분포 완화와 케이블 종단 밀폐 및 섬락 방지를 위한 옥외용 모듈형 종단접속재

K35MT series of termination provides a class 1 outdoor termination conforming to the requirements of IEEE Std. 48-1990 for 35kV system and IEC Std. 60502-4-1997 through 35kV system. Typical uses for K35MT termination are in switchgear and pad-mounted transformers.

K35MT series termination for application through 35kV is designed for use on extruded dielectric cables and can be applied directly on cables with extruded semi-conductive shields whether full-neutral concentric or drain-wire types. K35MT terminations are designed for aluminum or copper conductors in the 95 to 1,000mm² .

• 시공 INSTALLATION – 케이블 준비가 완료되면, 종단접속재, 스트레스 콘, 모듈 등을 케이블 절연체위로 밀어 넣은 후, 단자를 압착한다.

After proper cable preparation, installation is accomplished by first sliding the stress cone base onto the cable until it seats on the cable shield. Next, the 8 modules are slid on the cable. Terminal lug suitable for the conductor size is crimped on and a waterproof cap is added.

• 정격 / RATINGS

K35MT is designed for use on
System Voltage : 35kV
Impulse Voltage(1.2×50μs) : 200kV
Partial Discharge (Corona) : 30kV/3pC
15min. Dry Withstand (D.C.) : 140kV
1min Dry Withstand (A.C.) : 90kV

** Ratings are based on IEEE Std. 48-1990 and do not reflect maximum withstand levels.*

K35MT

MODULAR TYPE CABLE
TERMINATION FOR 35kV

특징 FEATURE

· 전계분포를 위한 특수 설계	· Electrical Stress Control
· 전압에 따라 날개의 수 조정	· Number of Sheds Changeable
· 우수한 절연 특성	· High Dielectric Strength
· 우수한 내트랙킹성	· Anti-tracking
· 재시공, 재사용 가능	· Re-useable

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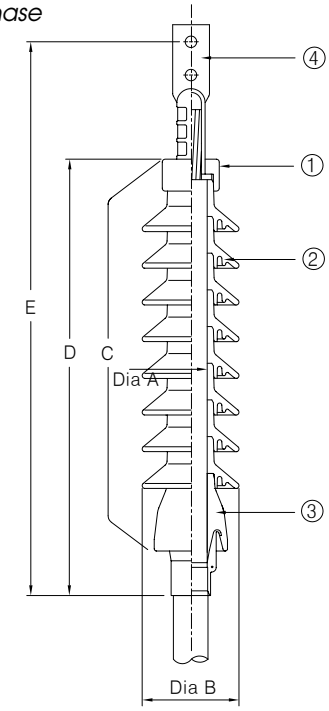
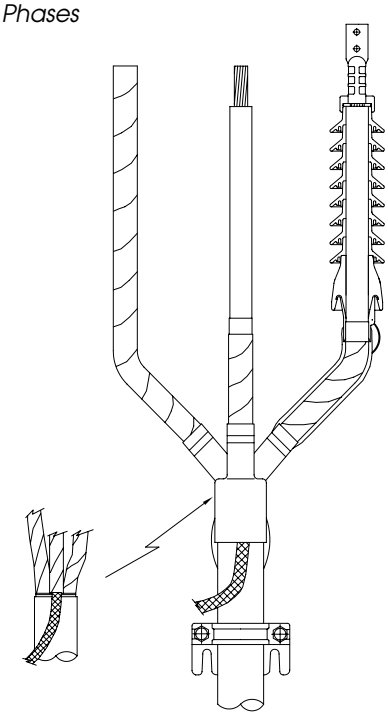
35kV 옥외용 모듈형 종단접속재
MODULAR TYPE CABLE TERMINATION FOR 35KV

도면 Drawing

Single Phase



Three Phases



치수 / Dimension

Unit : mm

Symbol	Description			Insulation Diameter A(㎜)		Creepage Distance(㎜)
	Dia B	D	E	Min	Max	C
G	95.5	456	595	21.0	23.5	972
J		497	635	23.0	25.0	1068
N		456	595	25.5	28.0	972
JA	108	467	606	28.5	31.0	997
JAB		506	666	30.0	32.5	1065
JB		463	628	31.5	34.0	997
KA		506	666	34.5	37.0	1065
KB		467	628	37.5	40.0	997
PA				40.5	43.0	997
PW	120	411	572	42.5	45.0	1215
Q		467	628	48.5	51.5	1050

구조 / Construction

No.	Descripion	Material	Color
1	rain cap	EPDM rubber	Gray
2	module(skirt)	EPDM rubber	Gray
3	stress cone	EPDM rubber	-
4	terminal lug	Tinned Cu	-

Table W

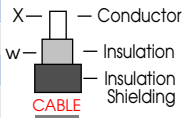
Symbol	Insulation Dia	
	Min	Max
G	21.0	23.5
J	23.0	25.0
N	25.5	28.0
JA	28.5	31.0
JAB	30.0	32.5
JB	31.5	34.0
KA	34.5	37.0
KB	37.5	40.0
PA	40.5	43.0
PW	42.5	45.0
Q	48.5	51.5

Table X

Symbol	Conductor Size(㎟)
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500
630	630
800	800
1000	1000

Table Y

Symbol	No of phases
1	1
3	3



주문방법 / Ordering Information (우측의 표 이용)

To order K35MT, complete the ordering formula, K35MT-W-X-Y.

1. Determine the diameter of the cable over the insulation.
2. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
3. From the Table X, select the symbol which represents the size, and insert this symbol for X.
4. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for an outdoor termination for 35kV three phases for 120㎟ copper cable with an insulation diameter of 30.0㎜ is K35MT-JA-120-3.

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직선 접속재 Cable Straight Joint for 15kV to 35kV

• 용도 APPLICATION

– 케이블과 동일한 구조를 가지면서 클로버 형태의 독특한 내부구조로 열발산 효과를 가지는 두개의 케이블을 연결하기 위한 직선접속재

PYUNGIL power cable joints (PCJ) conforms to the requirements of IEEE Std. 404-1993 through 15kV to 35kV to assure system matched performance and ratings equal to the cable to be installed. PCJ is a permanent, fully-shielded, fully submersible cable joint for direct burial or vault application. It can be used to join cable runs on new installation or to repair broken cable runs on existing installation.

PCJ series of straight joint is designed to efficiently and smoothly distribute the electrical stress over the connector and the cable screen ends. Its special cloverleaf shape permits controlled deflection to reduce assembly force requirements, maintains positive heat transfer interface and also provides minimum thermal resistance to ambient.

• 시공 INSTALLATION

– 케이블 준비가 완료되면 직선 접속재 하우징을 한쪽 케이블 절연체 위로 밀어넣은 후,슬리브를 압착하고 다시 하우징을 중앙으로 위치시킨다.

The cables should be prepared according to the supplied installation instruction. Installation is accomplished by first sliding the PCJ housing onto one cable over an cable. Conductors are inserted into the splice connector and then the connector is crimped with the proper crimping tool. The housing is then slid into position.

• 정격 / RATINGS

	15PCJ	25PCJ	35PCJ
System Voltage :	15kV	25kV	35kV
Impulse Voltage(1.2×50μs) :	110kV	240kV	240kV
Partial Discharge (Corona) :	15.6kV	25.8kV	30kV
15min. Dry Withstand (D.C.) :	65kV	75kV	125kV
6hr Dry Withstand (A.C.) :	36kV	53kV	69kV

** Ratings are based on IEEE Std. 404-1993 and do not reflect maximum withstand levels.*

PCJ

CABLE STRAIGHT JOINT
FOR 15KV TO 35KV

특징 FEATURE

· 전계분포를 위한 특수 설계	· Electrical Stress Control
· 지중 직매 가능	· Direct Burial Possible
· 우수한 절연 특성	· High Dielectric Strength
· 탁월한 방수기능	· Perfect Waterproof
· 재시공, 재사용 가능	· Re-useable

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㈜ 평일 PYUNGIL Co., Ltd.

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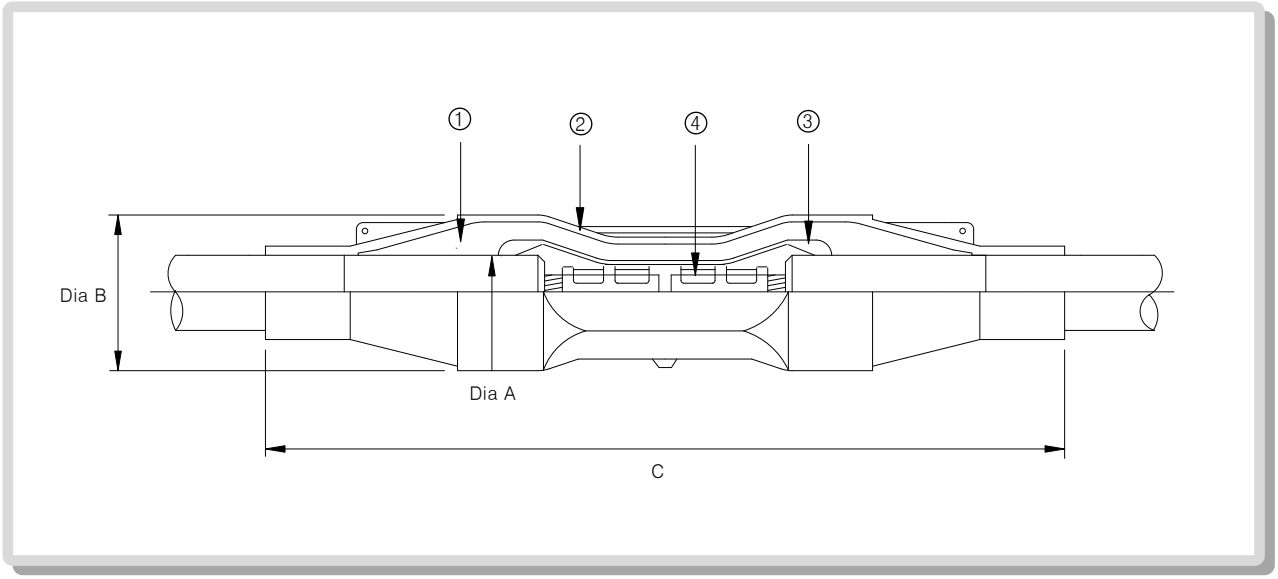
Tel : 031.420.6600 Fax : 031.424.7300

직선 접속재
CABLE STRAIGHT JOINT FOR 15KV TO 35kV

도면 Drawing



치수 / Dimension

Unit : mm

Symbol	Description		Insulation Diameter A(㎜)	
	Dia B	C	Min	Max
E	46.3	257	13.5	17.0
F	44.7	260.4	16.8	20.3
G			19.3	24.1
H	61.2	365	21.6	26.7
J			24.9	30.3
K	70.7		27.7	33.3
L			30.3	37.2
M			34.8	41.4
N			38.5	45.2
P			41.8	49.1
Q			48.3	53.9

구조 / Construction

No.	Descripion	Material	Color
1	insulation	EPDM rubber	Gray
2	conductive shield	EPDM rubber	Black
3	conductive insert	EPDM rubber	Black
4	connector(sleeve)	Tinned Cu	-

Table W

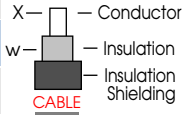
Symbol	Insulation Dia	
	Min	Max
E	13.5	17.0
F	16.8	20.3
G	19.3	24.1
H	21.6	26.7
J	24.9	30.3
K	27.7	33.3
L	30.3	37.2
M	34.8	41.4

Table X

Symbol	Conductor Size(㎟)
95	95
120	120
150	150
185	185
240	240
300	300
400	400
500	500
630	630
800	800
1000	1000

Table Y

Symbol	No of phases
1	1
3	3



주문방법 / Ordering Information (우측의 표 이용)

To order PCJ for 15kV to 35kV, complete the ordering formula, OOPCJ-W-X-Y.

1. Determine the voltage. Insert 15 for 15kV, 25 for 25kV and 35 for 35kV for OO.
2. Determine the diameter of the cable over the insulation.
3. From the Table W, select the symbol for the insulation range wherein the diameter of the cable insulations nearest to the midpoint of the range and Insert it for W.
4. From the Table X, select the symbol which represents the size, and insert this symbol for X.
5. Determine whether for 1 phase or 3 phases for Y.

EXAMPLE

The ordering number for a PCJ for 25kV three phases for 120㎟ copper cable with an insulation diameter of 25.0㎜ is 25PCJ-H-120-3.

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