G&W Electric
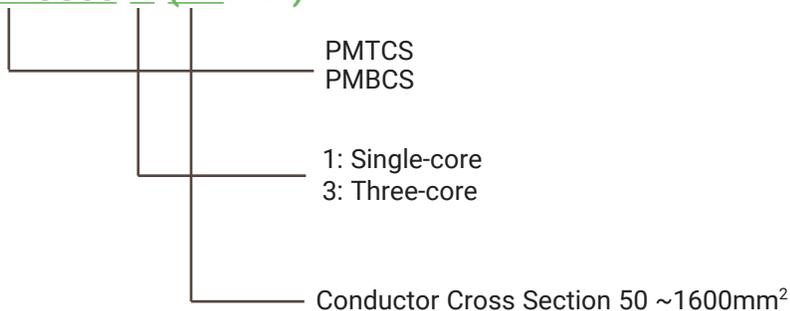### Engineered to order. Built to last.

72.5kV Separable Connector

G&W Electric has over 100 years of experience of developing cable accessories. The 72.5kV Separable Connector is made of high temperature vulcanized Ethylene Propylene Diene Monomer(EPDM) and offers outstanding electrical performance , superior stability and flexibility and alllows for ease of installing underground cable to GIS for offshore wind applications.

Features and Benefits

F-type bushing connection
Rated Voltage of 72.5kV, current up to 2500A
Capacity is 28MVA
High adaptability over a wide range of temperatures
Excellent ageing behavior, weather resistant and flame retardant
Insulation plug with built-in voltage detector
Easy to install
Wide application range that accomodates cable from 50mm^2 to 16mm^2
Routinely tested per IEC 60840

Main Parameters	Test Results
Partial discharge test *(Ambient Temperature, 57kV)*	No detected PD
Heating cycle voltage test *(76kV, 95℃~100℃, heating 8h, natural cooling 16h, 20 cycles)*	Pass
Partial discharge test *(Ambient Temperature, 57kV)*	No detected PD
Partial discharge test *(95℃ ~ 100℃, 57kV)*	No detected PD
Impulse voltage test *(95℃ ~ 100℃, ±325kV, 10 times)*	No breakdown
AC power frequency withstand voltage (95kV, 15 min)	No breakdown

10.5 in.
(270mm)

18 in.
(465mm)

Shielded Rear Connector

13 in.
(330mm)

18 in.
(465mm)

Shielded T Connector

Catalog Number

PMTCS66-N-(XXmm^2)

PMTCS
PMBCS

1: Single-core
3: Three-core

Conductor Cross Section 50 ~1600mm^2

gwelectric.com

72.5kV Separable Connector

Name	Units	Parameters
Product Model	-	PMBAS66-72.5/196
System nominal voltage	kV	66
Surge protector rated voltage	kV	72.5
Continuous operating voltage	kV	60
Nominal discharge current, In	kA	10
Reference voltage, DC, 1 mA	kV	≥103
Leakage current, 0.75U, 1 mA	µA	≤50
Steep current impulse residual voltage	kV	≤226
Lightning impulse residual voltage	kV	≤196
Switching impulse residual voltage	kV	≤183
Resistive current (Peak value)	µA	≤200
Full current (Peak value)	µA	≤800
Partial discharge at 1.05Uc	pC	≤12
2ms square wave current impulse withstand	A	600
High current impulse withstand	kA	100

13 in.
(330mm)

29 in.
(730mm)

Shielded Rear Surge Arrestor

Catalog Number

PMBAS66-72.5/196

PMBAS: Rear Surge Protector

System Nominal Voltage

Surge Protector Rating / Lightning Impluse Residual Voltage