

G&W's PMJ Python™ premolded rubber joints are available for 145kV to 245kV extruded dielectric cable systems. The premolded joint is part of G&W's latest Python™ family of dry type cable accessory products. G&W has been a leading supplier of innovative underground cable accessory solutions since it was founded in 1905. With installations and sales representation worldwide, G&W continues to offer the latest technology products with world-class, time-proven performance. G&W is ISO 9001: 2000 registered for its quality systems. G&W offers a wide variety of terminations and joints for all types of cable construction through 500kV.



▲ Mechanical shrink construction greatly simplifies installation without the need for special tools.

APPLICATIONS

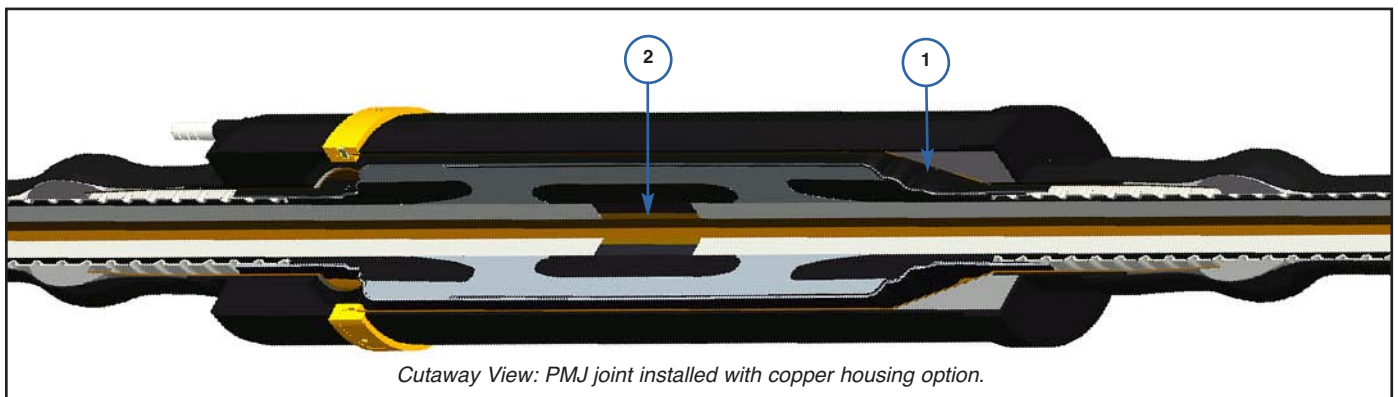
- Extruded dielectric cable systems, 145kV - 245kV
- 240mm² (500kcmil) to 2500mm² (5000kcmil) copper or aluminum conductors.
- Cable ground shield: copper wires / tapes, corrugated aluminum or copper sheath, lead sheath.
- Direct burial, submersed or vault.

STANDARD COMPONENTS

- 1) Premolded joint body with built-in stress control
- 2) Crimp type connector
- 3) Cable preparation kit. Kit includes grease, sandpaper, PVC tape, heat shrink seal, solder, flux, tinned copper ground braid and grounding lugs.

FEATURES

- Fast, trouble-free installation
- Supplied on a mechanical shrink core tube
- No special tools required
- No sliding, parking or storing required
- Mechanical shrink installation greatly reduces the possibility of damage during installation
- Factory premolded and expanded on core tube
- 100% routine tested
- Third party tested per applicable requirements of IEEE 404, IEC 60840, and IEC 62067



Cutaway View: PMJ joint installed with copper housing option.

Premolded Rubber Transmission Joints

CATALOG NUMBER

Use the chart below to build your G&W catalog number. This number should be used for all inquiries and quote requests. In addition, the following cable information is required to process your order:

1. Conductor size and O.D. of conductor (nominal and max)
2. Insulation O.D. (min and max)
3. Insulation shield O.D. (min and max)
4. Jacket O.D. (nominal and max)
5. Cable construction details with metallic screen type and fault current rating

PMJ140 - B - 1000K C - W - C



1 System Voltage

Rated Voltage kV (IEC)	Rated Voltage kV (IEEE)	BIL (kV)	Code
145	138	650	PMJ140
245	230	1050	PMJ160

2 Shield Break Option

Description	Code
With Shield Break	B
Without Shield Break	N

3 Conductor Size

Cond. Size kcmil	Code	Cond. Size mm ²	Code
500	500K	240	240M
750	750M	300	300M
1000	1000K	400	400M
1250	1250K	500	500M
1500	1500K	630	630M
1750	1750K	800	800M
2000	2000K	1000	1000M
2500	2500K	1200	1200M
3000	3000K	1400	1400M
5000	5000K	1600	1600M
		1800	1800M
		2000	2000M
		2500	2500M

4 Conductor Material

Material	Code
Copper	C
Aluminum	A

5 Cable Ground Shield Configuration

Description	Code
Copper Wires	W
Copper Tapes	T
Copper Tapes and Wires	TW
Corrugated Aluminum Sheath	A
Lead Sheath	P

6 Additional Housing Protection

Description	Code
None	X
Copper Housing with Compound	C
Fiberglass Housing with Compound	F
Copper Housing and Fiberglass Enclosure with Compound	CF

Catalog Prefix	Max Cable Insulation Diameter	Approximate Ship Weight
PMJ140	92 mm (3.62 in.)	75 kg (165 lbs)
PMJ160	115 mm (4.53 in.)	105 kg (266 lbs)

EXAMPLE 1:

PMJ140-B-630MC-W-CF

Premolded joint, 145kV (138kV), with shield break 630mm² copper conductor cable with copper wire ground shield. Kit is supplied with copper housing with compound and fiberglass enclosure with compound.

EXAMPLE 2:

PMJ160-N-2500KA-P

Premolded joint, 245kV (230kV), without shield break for 2500kcmil aluminum conductor cable with lead sheath ground shield.