

G&W's TJNT3-33 transition joints are available for 33kV systems for joining gas insulated cable to extruded dielectric cable. 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.

APPLICATIONS

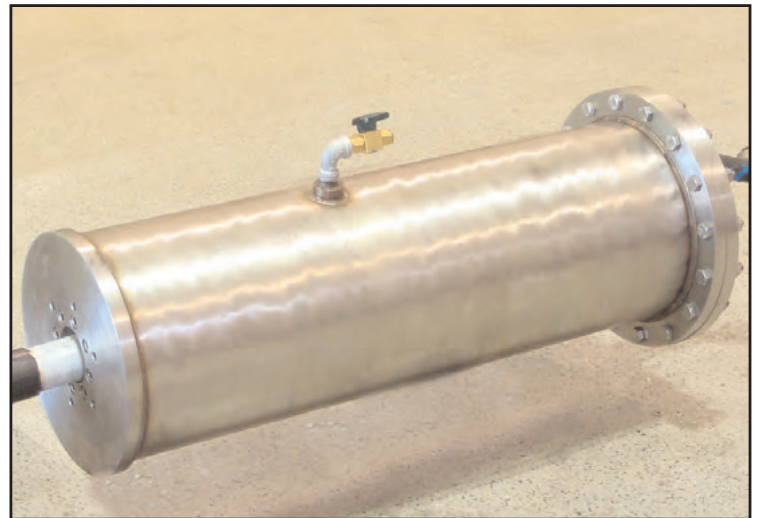
- Provides transition between 3-core gas insulated cable to three single core extruded cables.

FEATURES

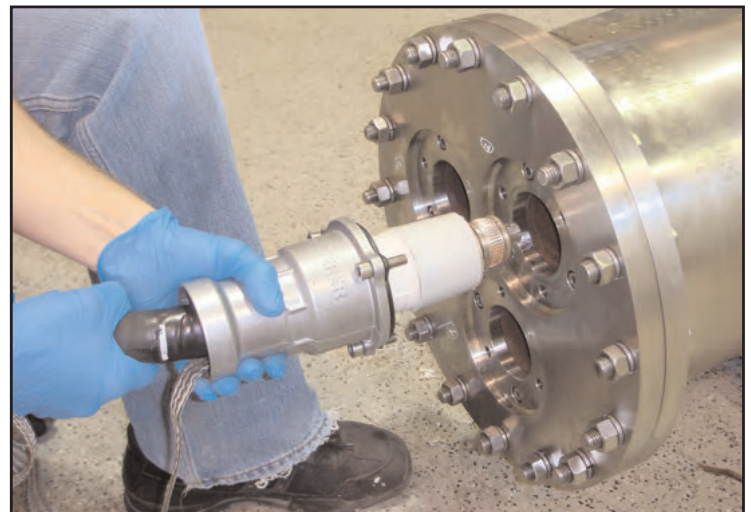
- Three fully shielded tape stress relief cones on gas insulated cable side.
- Dry, plug-in type terminations with premolded stress cones on extruded cable side.
- Epoxy insulators for plug-in terminations on extruded cable side
- Stainless steel enclosure, pressure tested to 400psi.

BENEFITS

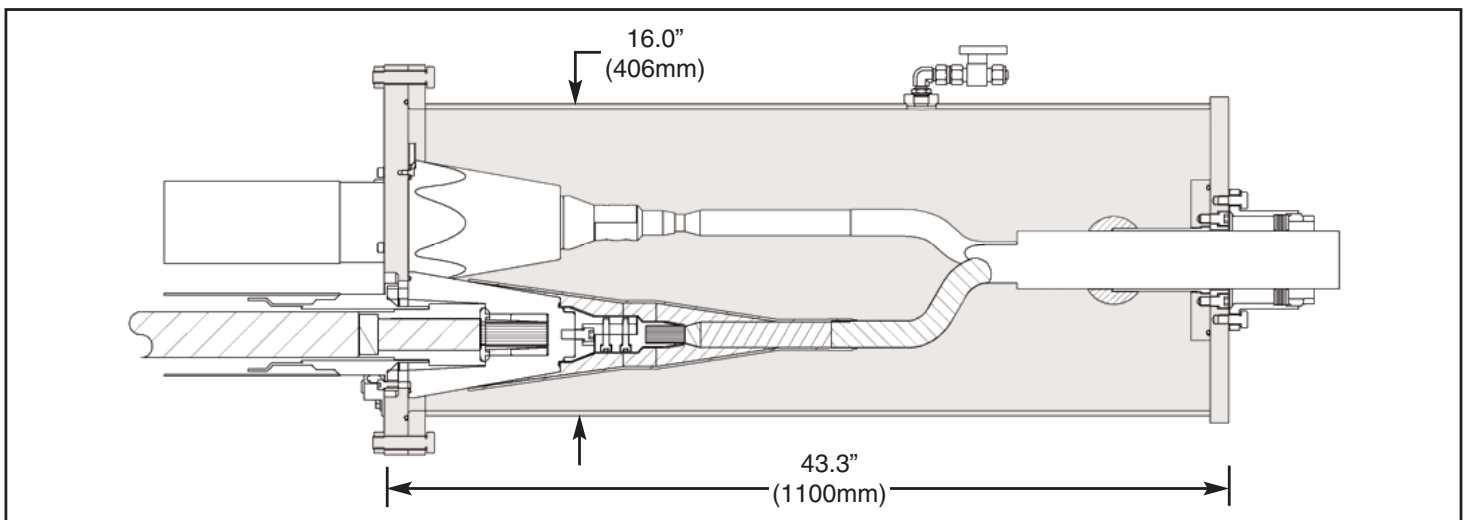
- Shorter design that requires less space than competitive designs.
- Option of terminating gas insulated cable first and connecting extruded cables at a later time.



▲ Stainless steel enclosure tested to 400 psi.



▲ Plug-in terminations on extruded dielectric cable side.



Transition Joints

33kV

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

TJNT3-33 - HP - 350M C - N - 750K C - B - F

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1 System Voltage

Rated Voltage kV	BIL (kV)	Code
33	150	TJNT3-33

2 Gas Insulated Cable Pressure Rating

Cable Type	Nominal Pressure Rating (Max.)	Code
High pressure gas insulated	200 psi	HP

3 Gas Insulated Cable Conductor Size

Cable Cond. Size kcmil	Code	Cable Cond. Size mm ²	Code
250	250K	240	240M
500	500K	350	350M
750	750K	400	400M
1000	1000K	500	500M

4 Gas Insulated Cable Conductor Material

Material	Code
Copper	C
Aluminum	A

5 Gas Insulated Cable Shield Break Option

Description	Code
With Shield Break*	B
Without Shield Break	N

**Requires fiberglass housing with compound (Code F in Additional Housing Protection)*

6 Extruded Cable Conductor Size

Extruded Cable Cond. Size kcmil	Code	Extruded Cable Cond. Size mm ²	Code
250	250K	240	240M
500	500K	300	300M
750	750K	400	400M
1000	1000K	500	500M
1250	1250K	630	630M

7 Extruded Cable Conductor Material

Material	Code
Copper	C
Aluminum	A

8 Extruded Cable Shield Break Option

Description	Code
With Shield Break	B
Without Shield Break	N

9 Additional Housing Protection

Description	Code
None	X
Fiberglass Housing with Compound	F

EXAMPLE:

TJNT3-33-HP-350MC-N-750KC-B-F

33kV transition joint for connecting 3-core, 350mm², high pressure gas insulated copper cable to 750kcmil extruded dielectric cable. Shield break required on extruded cable side. Joint is to be supplied with fiberglass housing and filling compound.