

## SPECIALTY

# POWERGUARD® FLEX

- ▶ PowerGuard® Flex is registered to UL 651A and standard CSA C22.2 NO.327 for electrical applications
- ▶ PowerGuard® Flex is made of HDPE compound with a minimum cell classification of PE334420C or E in accordance with ASTM D3350
- ▶ Suitable for use with low and medium voltage cables
- ▶ Can be installed underground everywhere UL651A- and CSA-certified PVC conduit or duct can be installed
- ▶ Unlike PVC duct, PowerGuard® Flex HDPE conduit is extruded in continuous lengths allowing for installation by open trench and plowing in a continuous length with minimal glued joints

### ☑ FLEXIBLE

Reduces/eliminates sweeps and bends

### ☑ RESISTANCE TO COMPRESSION

Exceeds pipe stiffness of DBII PVC

### ☑ LIGHTWEIGHT

Easier installation, 40% lighter than DBII PVC

### ☑ COMPATIBILITY

Easily adapts to other conduit materials

### ☑ GLUELESS COUPLING

The gasketed, air- and water-tight coupler offers a quick and safe assembly

### ☑ LOW COF

Longer cable pulls with lower cable stress

## SIZE RANGE AVAILABLE

103mm/4.00"

## INSTALLATION TYPES

Underground  
Direct Bury  
Concrete Encasement  
Plow

## STANDARD COLOURS

Outer Wall   
Inner Wall 

## STANDARD

**SPECIFICATIONS** PowerGuard® Flex is registered to UL651A and standard CSA C22.2 no.327 HDPE Conduit, conductors in conduit and called out in the Canadian Electrical Code

**POWERGUARD® FLEX** comes standard with a red outer wall and white inner wall

**PACKAGED** in convenient 300' coils/3 coils per pallet and longer continuous lengths on reels

## OPTIONS

**THREE KIT OPTIONS** available for joining PowerGuard® Flex

**1. POWERGUARD® FLEX COUPLER KIT** joins PowerGuard® Flex to PowerGuard® Flex

**2. POWERGUARD® FLEX ADAPTER KIT** joins PowerGuard® Flex to HDPE, PVC, FRE, and TGS

**3. POWERGUARD® FLEX ADAPTER KIT** joins PowerGuard Flex to Type DBII PVC

## FEATURES

## POWERGUARD® FLEX TECHNICAL SPECIFICATIONS

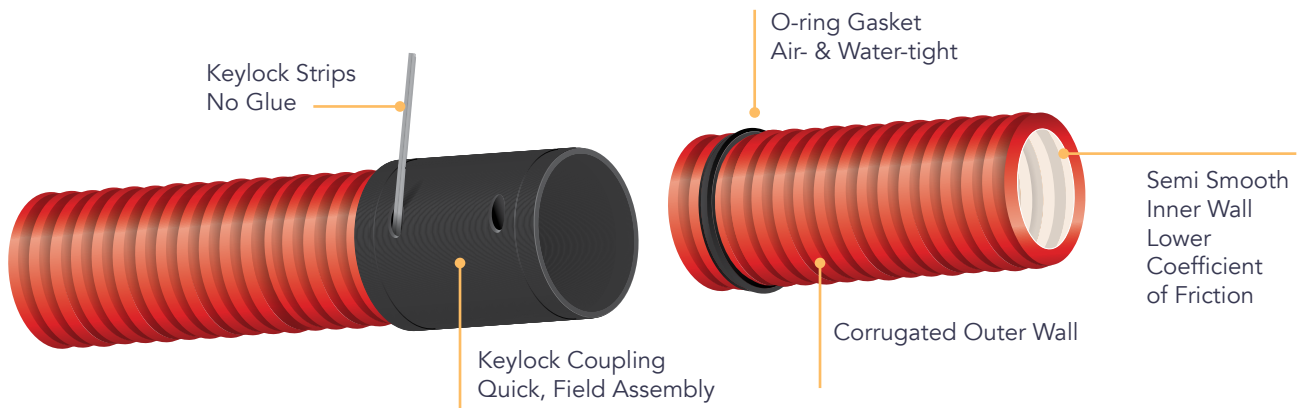
| SIZE          | OD MIN-MAX<br>(MM) | ID MIN-MAX<br>(MM) | INNER WALL                                   |                                            | OUTER WALL                     |                                            | BEND<br>RADIUS<br>(MM) |
|---------------|--------------------|--------------------|----------------------------------------------|--------------------------------------------|--------------------------------|--------------------------------------------|------------------------|
|               |                    |                    | AVG. WALL<br>THICKNESS<br>INNER WALL<br>(MM) | WALL<br>THICKNESS<br>TOLERANCE<br>+/- (MM) | AVG. WALL<br>THICKNESS<br>(MM) | WALL<br>THICKNESS<br>TOLERANCE<br>+/- (MM) |                        |
| 103mm / 4.00" | 119.9 - 120.7      | 100.3 – 101.1      | 0.69                                         | 0.25                                       | 0.84                           | 0.18                                       | 406                    |

## POWERGUARD® FLEX PACKAGING

| SIZE          | LENGTH (M/FT)      | PACKAGING |
|---------------|--------------------|-----------|
| 103mm / 4.00" | 91.4 m / 300' Coil | Coil      |
| 103mm / 4.00" | 365.8 / 1,200'     | 102" Reel |

## POWERGUARD® FLEX COUPLER KIT

(PowerGuard Flex to PowerGuard Flex)

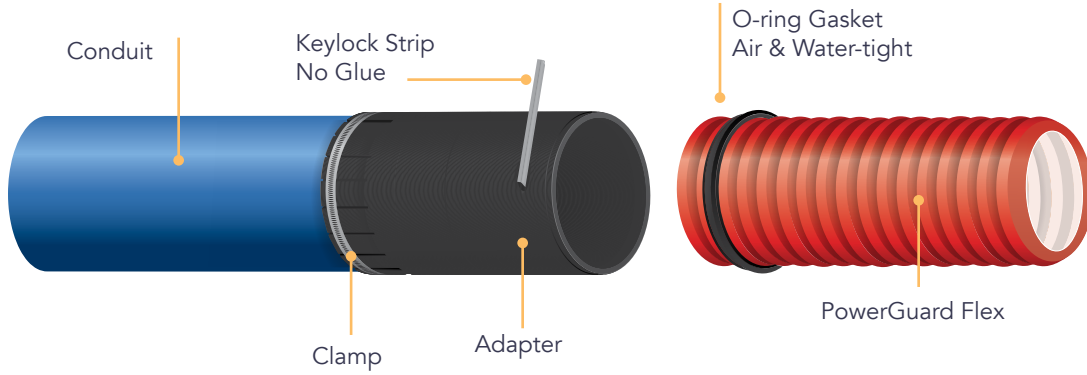


## POWERGUARD FLEX COUPLER KIT ORDER REFERENCE

| EACH KIT INCLUDES                                          | SIZE | KITS/PKG      | PART NUMBER |
|------------------------------------------------------------|------|---------------|-------------|
| 1 Keylock Coupling<br>2 Keylock Strips<br>2 O-ring Gaskets | 4"   | 4 kits / case | 20005415    |

## POWERGUARD® FLEX ADAPTER KIT

(PowerGuard Flex to HDPE, PVC, FRE, Threaded Galvanized Steel)

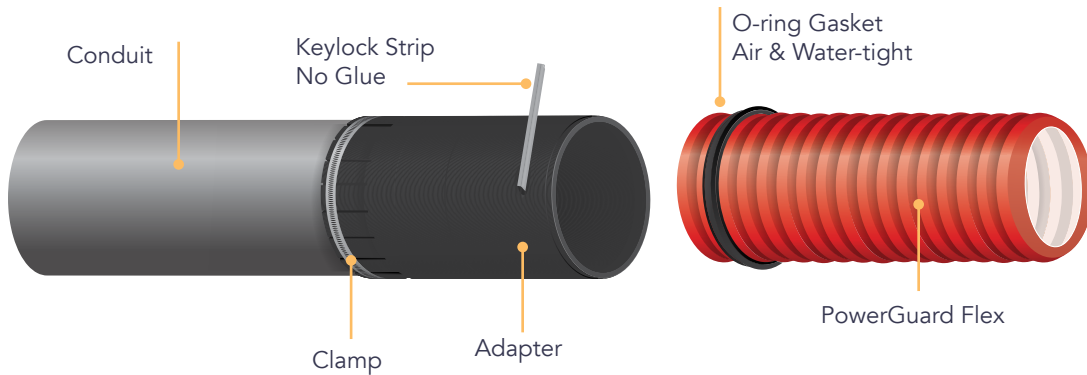


### POWERGUARD FLEX ADAPTER KIT ORDER REFERENCE

| EACH KIT INCLUDES                               | SIZE | KITS/PKG      | PART NUMBER |
|-------------------------------------------------|------|---------------|-------------|
| 1 Adapter<br>1 Keylock Strip<br>1 O-ring Gasket | 4"   | 4 kits / case | 20005418    |

## POWERGUARD® FLEX ADAPTER KIT

(PowerGuard Flex to DB2 PVC)



### POWERGUARD FLEX ADAPTER KIT ORDER REFERENCE

| EACH KIT INCLUDES                               | SIZE | KITS/PKG      | PART NUMBER |
|-------------------------------------------------|------|---------------|-------------|
| 1 Adapter<br>1 Keylock Strip<br>1 O-ring Gasket | 4"   | 4 kits / case | 20005505    |