

POWERGUARD® FLEX

- ▶ PowerGuard® Flex is listed to 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 CSA certified PVC or 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 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 (MM)	ID MIN-MAX (MM)	INNER WALL		OUTER WALL		BEND RADIUS (MM)
			AVG. WALL THICKNESS INNER WALL (MM)	WALL THICKNESS TOLERANCE +/- (MM)	AVG. WALL THICKNESS INNER WALL (MM)	WALL THICKNESS TOLERANCE +/- (MM)	
103mm / 4.00"	119.9-120.7	100.3-101.1	0.69	0.25	0.84	0.18	406

POWERGUARD® PACKAGING

SIZE	LENGTH	PACKAGING
103mm / 4.00"	91.4 m / 300' Coil	Coil
103mm / 4.00"	365.8 / 1,200'	102" Reel

1. POWERGUARD® FLEX COUPLER KIT

PowerGuard® Flex to PowerGuard® Flex

each kit includes:

- 1 Keylock Coupling
- 2 Keylock Strips
- 2 O-Ring Gaskets

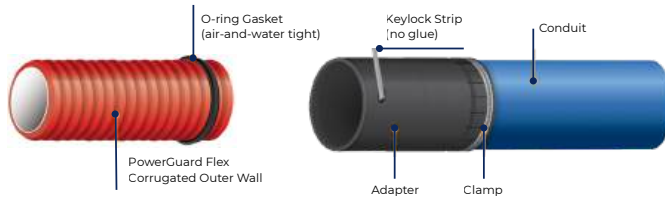


2. POWERGUARD® ADAPTER KIT

PowerGuard® Flex to HDPE, FPE, Threaded Galvanized Steel)

each kit includes:

- 1 Adapter
- 1 Keylock Strip
- 1 O-Ring Gaskets



3. POWERGUARD® FLEX ADAPTER KIT

PowerGuard® Flex to DB2 PVC)

each kit includes:

- 1 Adapter
- 1 Keylock Strip
- 1 O-Ring Gaskets

