

**SPECIALTY**

# POWERGUARD® PLUS 3-WAY



- Available in a 3-way configuration of 27mm (1") SCH 40 HDPE conduits bundled with a polyethylene overshooth
- Red conduit: Power, Orange conduit: All-Dielectric Fibre Optic Cable, Red with Black Stripe conduit: Power. The center conduit (orange) provides the required 27 mm (1") separation between the two Power conduits.
- Manufactured from flexible CSA listed and standard HDPE resin, makes gradual bends without special equipment or added accessories
- Internal longitudinal ribbing reduces friction during cable placement
- SILICORE® ULF inner wall eliminates the need for wet lubricants during cable pulling
- Excellent low-temperature properties allow installation in cold climates
- Outstanding long-term cable protection from shifting ground, rock, and root impingement
- Multiple pathways for electrical and fibre for one installation cost, allows flexibility and future growth
- Greatly reduces the number of coupled joints in a continuous installation, reducing the possibility of infiltration of native soil, backfill, and water
- Available with pre-installed Bull-Line Pull Tape from 500lb to 6000lb tensile strength
- Available with pre-installed 20 AWG insulated tracer wire

**INSTALLATION TYPES**

Plow  
Open Trench  
Directional Bore

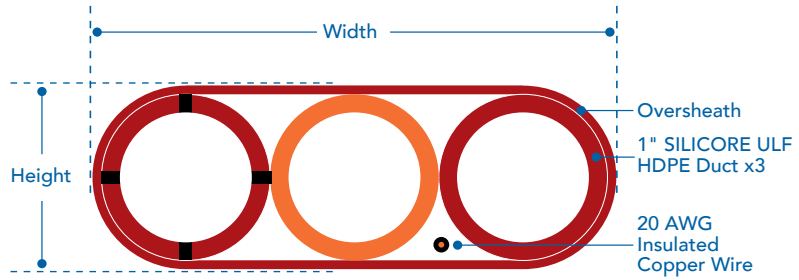
**STANDARD COLOURS**

Oversheath    Conduit

**FEATURES**

<b>STANDARD</b>
<b>METER MARKINGS</b> Sequential foot or meter markings. Custom print streams available.
<b>SPECIFICATIONS</b> PowerGuard® is registered to standard CSA C22.2 no.327-18 HDPE Conduit, UL 651a and called out in the Canadian Electrical Code
<b>CO-EXTRUDED LINING</b> SILICORE® ULF (Ultra-Low Friction) is co-extruded inside the HDPE wall creating a slick, permanent, interior lining. With a coefficient of friction 60% lower than standard HDPE conduit without the aid of wet lubricants, SILICORE® ULF exhibits no loss in performance over time or in extreme temperature conditions
<b>OPTIONS</b>
<b>PRE-INSTALLED TAPE</b> Factory pre-installed Bull-Line™ Pull Tape with EVEN-LOAD™, ensures extra slack at any access point throughout the reel. Available 500lb–6,000lb tensile strength or locatable.
<b>CABLE-IN-CONDUIT (CIC) AVAILABLE</b> CIC provides pre-installed cable in the factory and one-step simultaneous placement of the cable and duct in the field. The duct is extruded around the cable during manufacturing
<b>POWERGUARD® PLUS</b> comes in a standard configuration, but is available in different colours, external stripe colours and special markings.

## POWERGUARD PLUS 3-WAY TECHNICAL SPECIFICATIONS



SPECS FOR	WALL TYPE	WIDTH (MM/IN)	HEIGHT (MM/IN)	OVER SHEATH (MM/IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (MM/IN)	BEND RADIUS UNSUP* (MM/IN)	SWPS† (LB)
	SCH40	103.8 / 4.09	37.0 / 1.46	1.78 / 0.070	0.876	1,549 / 61	2,591 / 102	4,785

\*Unsupported Bend Radius guidelines should be followed during the installation process. The Supported Bend Radius are post-installation measurements.  
 †Safe working pull strength is calculated at 80% of tensile or breaking strength

## 27MM (1") HDPE DUCT TECHNICAL SPECIFICATIONS

SPECS FOR	WALL TYPE	OD (MM/IN)	AVG ID (MM/IN)
	SCH40	33.4 / 1.315	26.12 / 1.029