

SPECIALTY

POWERGUARD® HYBRID

- A PowerGuard® configuration combining (1) 53mm (2") SCH 40 HDPE conduit with (2) 18/14mm MicroDucts
- 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
- SuperSilicore® 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 pull tape from 500lb to 6000lb tensile strength
- Available with pre-installed 20 awg insulated tracer wire

CONFIGURATIONS

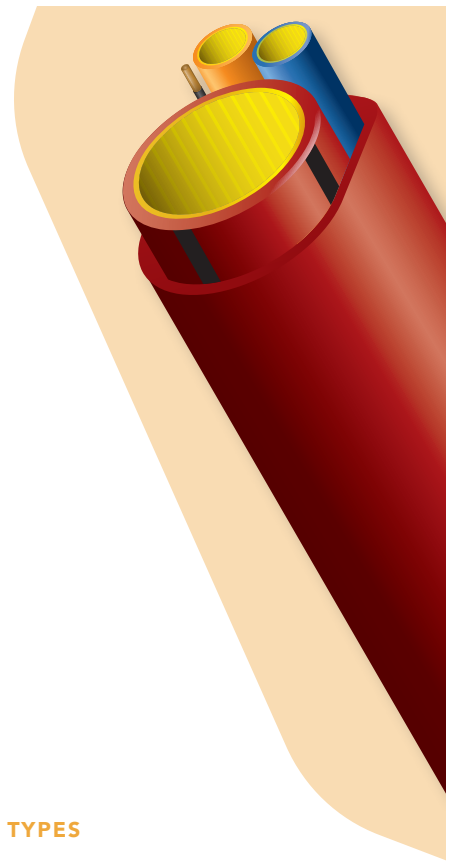
53mm (2") SCH 40 (x1) + 18/14mm MicroDucts (x2)

STANDARD COLOURS

Oversheath  Conduit  MicroDuct  

INSTALLATION TYPES

Plow
Open Trench
Directional Bore



FEATURES

STANDARD
METER MARKINGS Sequential foot or meter markings. Custom print streams available.
SPECIFICATIONS PowerGuard® is registered to standard CSA C22.2 no.327-18 HDPE Conduit, UL 651a and called out in the Canadian Electrical Code.
SILICORE is co-extruded with the tough HDPE jacket creating a super slick permanent lining. Silicore lined ducts allow for higher speed cable jetting and longer cable pulls.
OPTIONS
PREINSTALLED TAPE 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.
CABLE-IN-CONDUIT (CIC) AVAILABLE 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.
POWERGUARD® HYBRID comes in a standard configuration, but is available in different colours, external stripe colours and special markings.

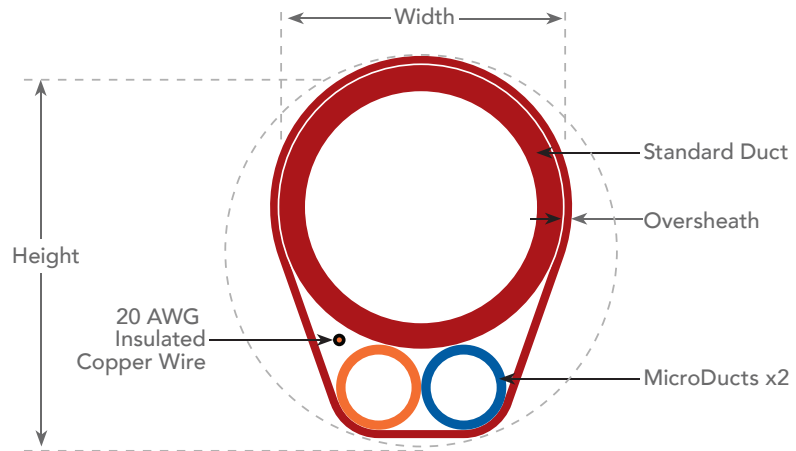
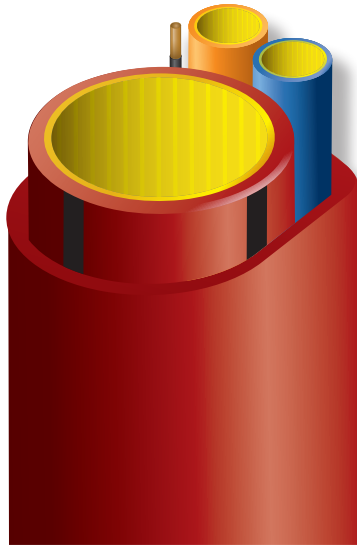


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SPECIALTY

POWERGUARD[®] HYBRID



POWERGUARD[®] HYBRID TECHNICAL SPECIFICATIONS

SPECS FOR	DUCT TYPE	MAX OD (MM/IN)	WIDTH (MM/IN)	HEIGHT (MM/IN)	OVERSHEATH (MM/IN)	WEIGHT (LB/FT)	BEND RADIUS SUP* (MM/IN)	BEND RADIUS UNSUP* (MM/IN)	SWPS†
	53mm (2") SCH-40 + 18/14mm	82.2/ 3.24	63.9/ 2.51	80.5/ 3.17	1.78/ 0.070	0.859	1,194/ 47	2,007/ 79	4,676

*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

HDPE DUCT TECHNICAL SPECIFICATIONS

SPECS FOR	DUCT TYPE	OD (MM/IN)	AVG ID (MM/IN)
	53mm (2") SCH-40	60.33 / 2.375	51.99 / 2.047

MICRODUCT TECHNICAL SPECIFICATIONS

SPECS FOR	MICRODUCT SIZE	OD (MM/IN)	MIN ID (MM/IN)
	18/14mm	18/0.71	13.6/0.54



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