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Boring Machine

CANTEX

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CANFUSE®

Fusible PVC Schedule 40 Conduit

FUSIBLE PVC™ SCHEDULE 40 ELECTRICAL CONDUIT

CANTEX and Underground Solutions have teamed up to offer you the strongest fusible PVC Schedule 40 Electrical Conduit on the market. Fusible PVC™ is used for directional drilling and direct burial. Our proprietary PVC formulation, patented fusion process, certification program and installation experience ensures the success of every job.

Bell provides unobstructed path for wires or cables

- **Not limited to bores of 1000 feet or less**
- Available in 3", 4" and 6" Sch. 40 Conduit in 20' lengths
- No length lost during installation
- Greater pull force rating than HDPE
- Greater pull force rating than other PVC systems
- Easier to install than HDPE pipe - no reels, no wasted pipe
- Will not flatten or collapse
- No gaskets or additional parts are required for a fast, water tight installation
- Interfaces with standard Schedule 40 fittings
- **Specially designed fusible bells provide a smooth, unobstructed path for wires or cables**

Fusible PVC Schedule 40 Electrical Conduit

The Fusion Process

Fusion is performed by CANTEX technicians and/or licensed and trained contractors. The patented fusion process consists of the following steps:

1. **Pipe ends are precisely aligned.**
2. **The fusion machine's dual cutting head faces and squares both ends of the PVC pipe simultaneously.**
3. **An electronically controlled heating element (pre-heated in preparation for fusion) is positioned, the ends of the pipe are moved into place and a bead of fusible material is formed as the pipe heats.**

Example of fusion machine setup at jobsite

Pipe ends are held under pressure until newly-formed joint cools

4. **After the pipe ends have been heated, the heat plate is removed, the pipe ends are brought together and held under pressure until the newly-formed joint cools.**
5. **A Data Logger is used to verify proper facing and fusion.**
6. **The fusion process creates an external and internal bead on the pipe joint.**

All fusion times are comparable to other thermoplastic materials. All joints are fully restrained and testing demonstrates that the tensile strength of the fused joint equals the tensile strength of the pipe.

Schedule 40

Conduit meets requirements of NEMA TC2
Manufactured to UL 651 standards
Interfaces with standard Schedule 40 fittings

TECHNICAL SPECIFICATIONS

Part Number	Trade Sizes	DR	Material	Joint Length (Ft)	Lay Length (Ft)	O.D. (in)	Min. Wall (In)	I.D. (In)	Wt. (Lbs/Ft)	Joint Pull Rating (Lbs)	UL 651 Crush Requirement (Lbs)	Allowable Bend Radius (Ft)	Feet per Pack	LF per Truck	Weight per Truck (Lbs)
A22DA45	3"	Sch 40	PVC	20	20	3.500	.216	3.008	1.450	15,000	1,000	65"	900	14,400	20,880
A22EA45	4"	Sch 40	PVC	20	20	4.500	.237	3.961	2.100	20,000	900	65"	800	9,600	20,160
A22GA45	6"	Sch 40	PVC	20	20	6.625	.280	5.986	3.700	30,000	850	65"	360	5,760	21,312

Instron Tensile Test Machine

Actual fracture of 6" pipe test at 38,000 lbs