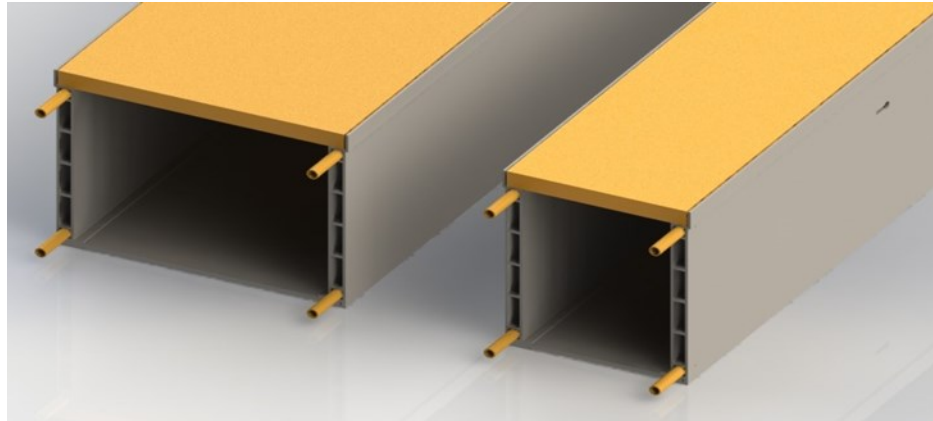


## MODULAR TRENCH SYSTEM

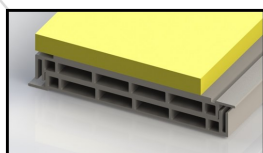


Composite Engineering's new modular trench system has been developed as a replacement for traditional concrete trenching, particularly where reinforcement corrosion, and OH&S concerns over weights and manual handling exist. The installation techniques used in both new-build, and maintenance works on existing infrastructure, improve efficiency and working methods when installing and inspecting cable trench systems.

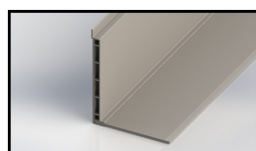
Composite Engineering Modular Trenching weighs approximately 17kg to 20kg/mtr depending on width specified, with the lid component (1mtr in length) only weighing 8kgs!

### WHY COMPOSITE ENGINEERING MODULAR TRENCH?

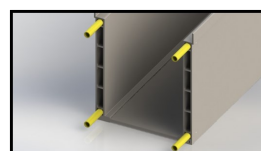
- Significantly decreased construction time
- Reduction of equipment on site
- Minimal site staff required for installation
- Electrically and thermally non-conductive
- Excellent chemical and corrosion resistance
- Unmatched impact resistance
- High strength to weight ratio
- Material contains active fire retardants
- Maintenance free service life
- Customisable to any site installation width and layout



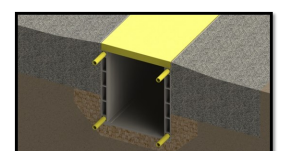
Flat pack delivery



Assemble trench

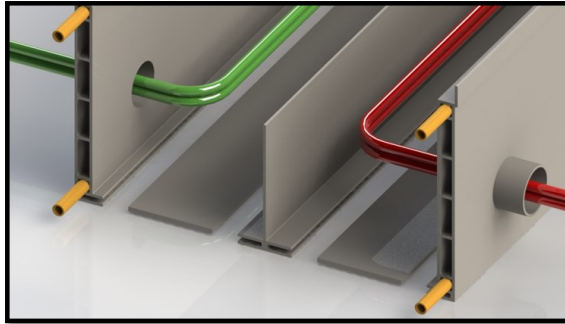


Add connectors

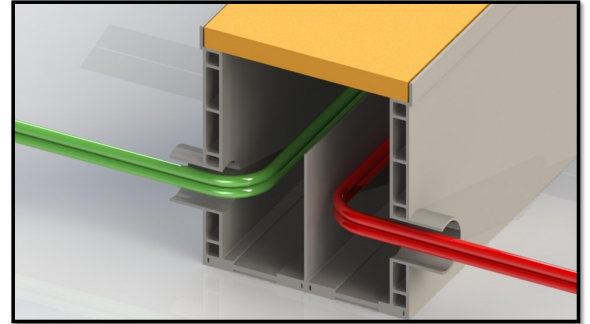


Install and back-fill

# MODULAR TRENCH SYSTEM



Optional Modular Divider



Optional Penetration Collars

## BENEFITS OF COMPOSITE ENGINEERING MODULAR TRENCH

- Reduction of installation time (approximately 1/3 of concrete)
- Reduction in specialist equipment and formwork on site
- Time saving of surveyors attending
- No copper required for earthing—material saving
- No steel required for reinforcing—eliminates corrosion issues
- No specialist concrete coring required for trench penetrations
- QA reduction on site
- Total site supervision greatly reduced

Characteristics	Units	Test Reference
Tensile Strength	220Mpa	ASTM D1037-93
Modulus of Elasticity	21Gpa	ASTM D1037-93
Flexural Strength	280Mpa	ASTM D1037-93
Compressive Strength	145Mpa	ASTM D1037-93
Arc Resistance (LW)	120 Seconds	ASTM D495
Dielectric Strength (LW)	1.58kV/mm	ASTM D149
Dielectric Strength (CW)	7.9kV/mm	ASTM D149
Dielectric Constant (PF)	5.2 @ 60Hz	ASTM D149
Anti-slip Surface	R13	AS4663:2004