



Maintaining the integrity of power, telemetry and communication cabling in an Oil&Gas facility is essential in a potential fire. Durable passive fire protection of cable trays is therefore critical to maintain the desired level of safety in plants containing highly flammable and explosive hydrocarbons under pressure.

Benarx Epoxy Cable Tray is a high-performance passive fire protection product designed to maintain the integrity of cables in case of a fire. The cable tray protection is easy to open and re-close to access the cables.

Benarx Epoxy Cable Tray

Jet fire tested and certified for up to 60 minutes

Prefabricated design reduces installation time on site and reduces HSE risk

High performance product thoroughly tested for explosion loads, ageing and static electricity

Low Life Cycle Cost , long life time, fast installation and easy removal for inspection

Proven track record in the toughest conditions from the cold harsh arctic to the warm tropic climate

Product overview

Build-up

Benarx Epoxy Cable Tray is an advanced high performance fire insulation product. The product consists of a perforated stainless steel core enclosed by intumescent epoxy, waterproof substance and protective paint.

Cable protection

Benarx Epoxy Cable Tray has a proven track record of its solid construction through several projects worldwide. The cable tray withstands heavy mechanical impact and provides protection to help maintain the integrity of power, telemetry and communication cabling through its life cycle.

In a potential fire, the product forms an insulating char when exposed to the heat. This mechanism in combination with the Benarx design, protects the cabling from high temperatures, explosions and both hydrocarbon- and jet fires.

Reduced HSE risk

The Epoxy Cable Tray consists of two custom fit L-shaped panels, assembled with stainless steel straps which makes the box very installation friendly with reduced HSE risk. The design allows for a fast and easy installation, and disassembly where inspection and maintenance are required.



Benarx product performance and properties

Property	Method	Value
Maintain stability and integrity of equipment in a jet fire caused by high pressure natural gas	ISO 22899-1 - 250 kW/m ²	60 minutes
Ability to withstand heavy explosion loads	Gas explosion test	1,2 bar
Age simulation performance test	ISO 20340	4200 hours exposure
Approved for use in all hazardous gas groups	EN 13463-1 Annex C	No electrical discharge