

HARNESSFLEX CUSTOMER CASE STUDY

# Harnessflex® Specialist Conduit Systems provide life-critical cable protection for Angloco fire-fighting and rescue vehicles



“We have always found the support from the Harnessflex team and their UK distribution partners to be second-to-none, and it’s reassuring to see more new and innovative products being released all the time that adapt to the changing needs of our vehicles.”

Angloco has been designing, manufacturing and supplying fire-fighting and rescue vehicles for over 45 years, with customers in over 50 countries across the globe. To find out more about Angloco’s partnership with Harnessflex conduit systems, we spoke to Simon Pitt, Regional Operations Manager of Angloco’s Regional Workshop in Malvern.

## The Requirement

Simon first approached the Harnessflex team for the supply of cable protection systems back in the early 1990s, to help defend the wiring on fire-fighting vehicles such as Fire Engines, Airport Crash Trucks and Rapid Intervention Vehicles.

These vehicles are deployed into all corners of the globe, encountering some of the worst weather and operating conditions along the way. With the reliable performance of these vehicles paramount in ensuring they can successfully protect people and property, as well as handle any life-critical emergencies, Angloco turned to Harnessflex conduit systems for a solution to protect the essential wiring that powers their fire engines.



Harnessflex conduit systems are designed to provide

**10-150%**

Greater life expectancy in dynamic or vibrating applications



Equipped with

**VFP**

Vibration Friendly Profile Harnessflex conduit systems

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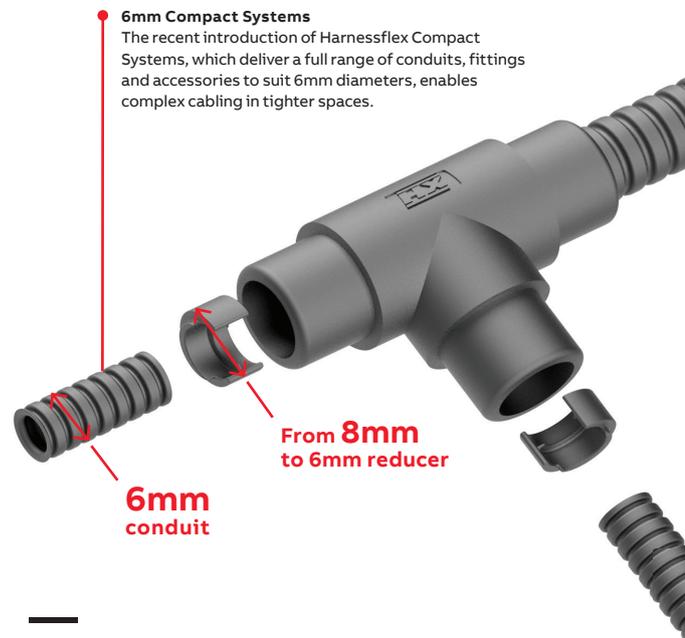
“As demands on performance increased, so did the need for maximum cable protection.”



The Harnessflex Compact System is ideal for **tighter spaces**

that require further protection from abrasion and strain applications

**UV**   **+**  
and heat stabilisation as standard on all conduits **-**



**6mm Compact Systems**

The recent introduction of Harnessflex Compact Systems, which deliver a full range of conduits, fittings and accessories to suit 6mm diameters, enables complex cabling in tighter spaces.

**The Solution**

For Simon, it was the versatility and longevity of the system solutions available that drew him initially to the Harnessflex range. It was clear straight away that Harnessflex conduits would be able to withstand the demanding elements their vehicles would encounter, whilst also offering high electrical system protection that ensured safety and reliability.

“As demands on performance increased, so did the need for maximum cable protection” Simon explained. “One of the great features about Harnessflex products is that they are re-usable. Our field engineers don’t have to spend time and money cutting, removing and replacing metres and metres of heatshrink, tube and tape. Instead it’s very service friendly!”

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**Harnessflex offers complete system solutions for the routing and protection of electrical wiring in heavy duty vehicles.**  
 Harnessflex technology is designed and tested to protect against damage by mechanical abrasion, liquid ingress and corrosion salts. Using a Harnessflex conduit system helps ensure that vulnerable connectors are not exposed to the elements, impact of foreign bodies or jet washing, all of which can cause vehicle malfunction and failure.



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 Harnessflex offers a wide range of solutions - from our standard general purpose range (black) to our specialist solutions for extreme temperatures (brown) and electric vehicles (orange).

  
**5 YR\***  
 Extended warranty on all HFX products

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 \* As all Harnessflex products are intensively tested under the most extreme conditions, we stand behind the durability of the systems we provide. That's why as standard, we offer a **5 year extended warranty** on all Harnessflex products that are installed as part of a complete, fully integrated Harnessflex system.

## What's Next?

Angloco's fleet of Fire & Rescue vehicles have become more complex in recent times, with more critical cables being packed into tighter spaces requiring further protection from abrasion and strain. Angloco has been able to achieve this through utilisation of Harnessflex Compact Systems, which deliver a full range of conduits, fittings and accessories to suit 6mm diameters whilst still offering all the same benefits of the standard Harnessflex system.

Harnessflex Compact Systems include a unique vibration friendly profile (VFP), as well as UV and heat stabilisation as standard features, with Harnessflex conduit systems designed to provide 10-150% greater life expectancy in dynamic or vibrating applications when compared with other products. Longer life maximises the productivity of the system being protected, whilst minimising the vehicle's risk of electrical failure.

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 Meanwhile, Simon is looking forward to continuing the partnership with the UK Harnessflex team:

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 "We have always found the support from the Harnessflex team and their UK distribution partners to be second-to-none, and it's reassuring to see more new and innovative products being released all the time that adapt to the changing needs of our vehicles."

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