

8th February 2019

Flexicon offers a fast-fit with new in-line dividers

Cable protection specialist, Flexicon has extended its FPAX range of in-line dividers for the rail industry to accommodate larger size, non-metallic flexible conduits including 42 mm and 54 mm.

Flexible conduit allows designers and installers to combine and protect different sizes and types of cables, from end to end, in one system. In-line dividers enable circuits to be divided and the conduit system to be adapted, thus offering flexibility while still maintaining system integrity.

With one larger entry and two smaller entries, the FPAX accessory allows a conduit system to be split in to two smaller diameter conduit runs. This can be beneficial when space is restricted, or multiple conduit runs and routings are required, such as on rail carriages or on industrial machinery.

The nylon (PA66) moulded fittings offer the same performance benefits as the FPAX family of fittings including high ingress protection, and vibration and shock testing to EN 61373 Cat 2. They are compatible with any of the company's nylon corrugated conduit systems and fine or coarse pitch conduits in sizes from 16 mm to 54 mm.

IP ratings of IP66, IP67, IP68 and IP69 can be achieved with the use of additional seals, which are included with the product.

Reducer components can be used with the in-line dividers to extend the size compatibility with different conduit sizes. Blanking plugs can also be used to seal off unused ways to make provision for future wiring configurations.

Flexicon has designed the product with features to improve installation time and ease of wiring. Smooth internal corners protect the cable insulation during cable pulling and help reduce cable stress during any potential movement. Two mounting lugs are incorporated to aid secure fixing, and all-round teeth provide additional high pull-off strength to create a secure conduit connection.

Designed with safety in mind, the in-line dividers offer extra-low fire hazard properties, are self-extinguishing, with low smoke emission and toxicity in the event of exposure to fire. Manufactured using PA66 material, they are also halogen, sulphur and phosphorous free.

Compliant with a range of international standards including RoHS and REACH, FPAX fittings meet stringent rail industry specifications including EN 45545 HL3 compliance, the EU's fire testing standard for railway components as well as NFPA 130 for North America.

For further information of Flexicon's wide range of flexible conduit fittings and systems please contact Flexicon Ltd, Roman Way, Coleshill, Birmingham, B46 1HG. Email flexiconsales@atkore.com. www.flexicon.uk.com.

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