ZITHA TECH SPECIALTY CABLES (Pty) Ltd

The UK s largest fiber optic patch cord manufacturer



Overview

Fibre optic patchcords A range of fibre pigtail cables, fibre management and spicing control products to aid on site termination of bulk fibres, Homepage |.

Key Takeaways

Matrix Global Networks is one of the UK's largest and most comprehensive manufacturers of fiber optic patch cords and assemblies.

Matrix Global Networks operates a dedicated UK manufacturing facility that produces a wide range of fiber optic patch cords, pigtails, and multi-fiber cable assemblies, including pre-terminated solutions for both internal and external applications . Their facility supports one of the widest ranges of connector types, including LC, SC, E2, MTRJ, MU, and MPO/MTP, and offers both singlemode and multimode configurations . All assemblies are 100% optically tested for insertion loss and undergo rigorous visual inspection and interferometer testing to ensure high performance .

Manufacturing Capabilities

Matrix's UK facility emphasizes custom and rapid-turnaround production, allowing clients to receive bespoke patch cords tailored to exact specifications . The company uses automated polishing machines to enhance quality and reduce rework, ensuring consistent connector end-face geometry and optimal transmission performance . Their in-house processes include cable cutting, preparation, connector assembly, and labelling, supporting fast deployment for large-scale network installations .

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Product Range and Applications

Matrix manufactures pre-terminated cables suitable for backbone links, data centers, and enterprise networks. They provide both standard and custom configurations, including armored and tight-buffered cables, designed for high durability and reliability . Their products are widely used in telecommunications, public sector, and commercial installations, offering solutions that reduce on-site termination costs and installation time .

Other Notable UK Manufacturers

While Matrix Global Networks is a leading manufacturer, other UK companies such as Ark Fibre Optics and Leader Optec also produce high-quality fiber optic patch cords and pre-terminated solutions . Ark Fibre Optics specializes in bespoke pre-terminated cables with armored and LSZH options for internal and external use, serving both commercial and military sectors . Leader Optec provides a full range of patch leads and network accessories across the UK .

Conclusion

For large-scale manufacturing, extensive connector variety, and high-quality testing standards, Matrix Global Networks stands out as the UK's largest and most capable fiber optic patch cord manufacturer, offering both standard and bespoke solutions for rapid deployment in diverse network environments .

Article Content

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Ark Fibre Optics specialises in bespoke pre terminated fibre cables (sometimes know as pre-terminated

UK Manufacturing | Pre-terminated Solutions | Matrix Global Networks

Matrix Group provide custom fibre optic patch cords, and assemblies. Our UK group facility supports one of the widest ranges of

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fiber optic patch cord manufacturers | fiber optic patch

The world of fiber optic cables is vast and competitive, with numerous manufacturers offering top-notch

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