G F Cables & Accessories

Supplier of Industrial Cables and Cable Accessories

Power - Control - Energy - Infrastructure - Train Vehicles

Packages - Projects - People
www.gfcablesandaccessories.co.uk

Tel:01452 720947 - Mob:07932 120169 - sales@gfcanda.co.uk

GFC&A is the UK distributor for Studer Cables since 2022

Studer Cables AG makes a wide range of the highest quality cable using only halogen-free compounds and electron beam cross-linking their cables for top performance at agreeable prices.

Solutions are offered for all of these applications: Industry – Power, Control, Panels & Equipoment - Airports – Power supply & Airfield lighting – Infrastructure – road & rail tunnels - Building installation, fire & safety – Train vehicles Rolling Stock - Energy: Grid/Solar/Storage/EV

Category A – Industrial

Panels/Cubicles, transformers, motors & chokes, SG extra high voltage systems. plant & machinery, ventilation systems, pump systems & hydrogen applications.

- **Cable Solutions for Apparatus Engineering -** BETAtherm® and BETAflam® Energy and Control Cable.
- **Cable Solutions for Industrial Installations -** BETAtherm® and BETAflam® – Safety for People and Machinery.
- **Cable Solutions for High and Extra-High Voltage Installations -** BETAtherm® and BETAflam® – For Maximum Reliability.
- **Cable Solutions for Motors and Chokes -** BETAtherm® 155 and 155 UL/cUL 3289 – For High Thermal Loads.
- **Cable solutions for transformers -** BETAflam® TRAFO-FLEX – Halogen-free, Flexible and Sustainable.
- **Cable Solutions for Hydrogen Applications -** BETAflam® **–** Safe and Reliable Measuring and Control Cables.
- **Cable Solutions for Pump Systems -** BETAdrive® Halogen-Free, Energy-Efficient, and Sustainable.
- **Cable Solutions for Ventilation Systems -** BETAdrive® – Halogen-Free, Energy-Efficient and Sustainable.
- **BETAdrive** – EMC optimised, symetrical impedence of phase and earth, frequency converter electric motors, halogen free, FE fire resistant version

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Category B - Outdoor environment

In water & marine applications, vessels, off-shore & on-shore.

- **Cable solutions for the marine industry -** BETAtherm® and BETAflam® Single-Core and Multi-Core Cables.
- **Cable Solutions for Use in Cold Environments -** ROFLEX® – Cables for Extreme Conditions.
- **Cable Solutions for Fish Farms -** ROFLEX® – Reliable Energy Supply Near the Coast.
- **Cable solutions for use in water -** ROFLEX® – Operationally safe up to 200 m water depth.
- **Cable Solutions for Flexible Site Setups -** ROFLEX® – Universal Charging Cable for Construction Sites and Docks.
- **Cable Solutions for Leisure Facilities -** ROFLEX® – No Compromise on Safety and Reliability.

Category C - Airports

For power transmission 400Hz & airfield lighting 5kV.

- **Cable Solutions for Airport Applications - BETAjet®** – Robust, Energy-efficient and Future-oriented.
- **Cable Solutions for Airfeld Lighting - BETAlux®** – Robust, Sustainable and Reliable.

Category D - EV applications and e.mobility

Charging stations, electric commercial vehicles, HV heavy plant, PV & grid connections, light rail.

- **Cable Solutions for e-Commercial Vehicles** - BETAtron®: Highly Flexible. Robust Technology. Smart Details.
- **Cable Solutions for Mining Vehicles** - BETAtherm® – Core Cables for Extreme Conditions.
- **BETAtron T150 High C-Flex –** Single core, screened, highly flexible, FHLR4GC4G

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Category E – Energy

Battery bank storage, transformers, inverters, charging stations, solar from PV string & modules to the inverter.

- **Cable Solutions for Inverters** - BETAtherm® Single-Core for Maximum Fire Protection Properties.
- **Cable solutions for transformers** - BETAflam® TRAFO-FLEX – Halogen-free, Flexible and Sustainable.
- **Cable solutions for energy storage** - BETAtherm® 145 single-core for a sustainable power supply.
- **Cable Solutions for Charging Stations** - BETAtherm® 145 Single-Core Wires for the Future of E-Mobility.

Category F - Rolling Stock

Train vehicles & rail e.mobility – light rail, tram, bus.

- **Rolling Stock Solutions** - Railway cables for highest requirements, with all global standards and approvals
- **BETAtrans DATA-ENX C-Flex 100 Ohm GigaCAT7 FOAM** – special FOAM makes this rolling stock DATA cable extremely durable in service optimising DB signal levels.

BETAtrans, type GKW-ENX the super-safe brand name made by Studer Cables for train vehicles

BETAtrans, the super-safe brand name from Studer Cables for trains. Power (300V through to 6kV inc.), control, data, hybrid inter-car jumper cable assemblies for the locomotive and carriages on today's modern train network systems. Designed to optimise on performance, weight, diametre, durability, toxicity and smoke density This range of BETAtrans cables by Studer Cables is enhancing life both onboard or in close proximity to the train.

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Category G - Infrastructure projects

Road & rail tunnels, building installation & fire, escape route, underground stations, airport.

- **Infrastructure Solutions** - Safety cables to meet the most rigorous requirements.
- **BETAflam® FR-MI 110 MC STA – BS6387** multicore steel tape armour power and control circuit integrity, high safety standard LPCB UKAS approved. Many international performance certificates to the most stringent standards. One of many infrastructure super-safe cable examples from Studer Cables

Studer Cables manufacture inside this Infrastructure category over 75 cable types under the BETAflam name to meet the ever growing expansion and levels of demand on the grid, with future projects and regeneration coming along. BETAflam, BETApower, BETAtherm, FR-MI covers these infrastructure wiring applications:-

Building installation, signal and fire alarm, electric motor connection, mains circuit integrity, 0.6/1kV single and multicore up to 33kV single and tri-delta power supply, wet areas

Category H - Solar Power

1500V DC, EV charging infrastructure and battery storage including inverter and transformer installations, floating solar systems on water, UL/EN/TUV certified, highly durable outdoor environment with supreme long life in service in all weathers and extreme temperatures.

- **Solutions for Solar Systems and DC Cabling** - Clean Cables for Clean Energy.
- **Cable Solutions for Inverters** - BETAtherm® Single-Core for Maximum Fire Protection Properties.
- **Cable solutions for transformers** - BETAflam® TRAFO-FLEX – Halogen-free, Flexible and Sustainable.
- **Cable solutions for energy storage** - BETAtherm® 145 single-core for a sustainable power supply.
- **Cable Solutions for High and Extra-High Voltage Installations** - BETAtherm® and BETAflam® – For Maximum Reliability.

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