



# All Products, All Markets

UTILITIES, INDUSTRY, CONSTRUCTION AND COMMUNICATIONS



## ALL PRODUCTS, ALL MARKETS

General Cable, the leading manufacturer of power and communications cables, offers you the widest product range and the most comprehensive list of services.

## CABLES FOR CONSTRUCTION AND GENERAL USE

### SEGURFOC-331® / GENFIRE®

Cables for safety circuits, halogen-free and fire resistant.

### EXZHELLENT® XXI

Flexible cables for public premises, halogen-free.

**500 and 750 V:** Building wire, excellent slippage in the conduit and easy to install.

**TRIFACIL:** Three 750 V cables assembled to facilitate installation.

**1000 V:** Power cables.

**RC4Z1-K:** With electromagnetic shielding.

**MÓVIL:** Mobile service.

### EXZHELLENT® FR-N1 X1G1

Rigid cables for public premises, halogen-free.

### GENLIS®-F / GENLIS®-R

Building wire PVC insulated conductors rated 500 and 750 V. Easy to install.

### TRI-RATED

Flexible PVC insulated conductors to UL, CSA and BS standards.

### ENERGY®

Power PVC-sheathed cables, rated 1000 V.

**RV-K FOC:** Flexible.

**U-1000 R2V/AR2V:** Rigid copper or aluminium.

### BIGGFLEX®

Flexible PVC cables rated 500 V for mobile service.

Sheath colours: black, grey and white.

## CONTROL CABLES

### SEGURFOC-331® / GENFIRE®

Cables for safety circuits, halogen-free and fire resistant.

**1000 V:** Multiconductor.

**ALARMA:** Rated 500 V with electromagnetic protection.

### EXZHELLENT® XXI

Flexible cables for public buildings, halogen-free.

**1000 V:** Multiconductor without electromagnetic shielding.

**RC4Z1-K:** Multiconductor rated 1000 V with electromagnetic shielding.

**SEÑAL:** Rated 500 V with electromagnetic shielding.

### PLASTIGRON®

Multiconductor PVC cables rated 1000 V.

**VV-K:** Flexible.

**VC3V:** Rigid cables with screen of copper corrugated tape.

### MOVILFLEX®

Flexible multiconductor PVC cables rated 500 V with optional electromagnetic shielding.

### TENAFLEX®

Flexible multiconductor rubber cables rated 750 V for mobile services.





## TELECOMMUNICATIONS

### CABICTEL® Switchboard/Internal Cables and Multipair Cat 3

Indoor PVC or LSOH sheathed, according to several international standards. Multi-pair shielded cables Cat 3 with 25, 50, 75 & 100 pairs.

### CABICTEL® Drop Wires

Self-supported outdoor use PVC or PE sheathed, with metallic or dielectric strength member according to several international standards.

### CABICTEL® External Network Cables

For ducts, direct burial up to 2400 pairs, and self-supporting, Ø 0.4 to 0.9mm, PE insulation, screened, non-screened, dry, jelly filled, non-armored, SWA, STA, CSTA, PE sheathed, to several international standards or operators specifications.

### CABICTEL® Coaxial Cables

Coaxial Digital TV 75 Ohm, RG11, RG-59.

### Signaling and Communication Cables for Railways

To Operators' specifications (ADIF; SNCF; DB; NR) and International standards, quads, pairs, Ø 0.6 to 1.4 mm, dry, jelly filled, with/without reduction factor. Telecom Cables in quads, pairs Ø 0.4 to 1.4 mm, Balise Ø 1.4 to 1.6 mm for ERTMS. Coaxial radiating system reliable and secured radio coverage for GSM-R use.

### Optical Fibre Cables

µSHEATH® cables, UNIGAIN cables, µCables and loose tube cables have been developed and optimized for all applications (installation in ducts or micro-ducts, direct burial, aerial,...) needing very high bit rate telecom transmission and for all environment conditions, with all fiber types (single mode and multimode) in order to bring secured lifetime and cost-savings for installation and jointing.

For all applications: long haul networks, FTTH networks, railways ...



## STRUCTURED CABLING SYSTEM

### JETLAN® Cat 5

Telephonic system comprising flexible cables and system for rack and wall connection.

### JETLAN® Cat 5e, Cat 6 and Cat 6A

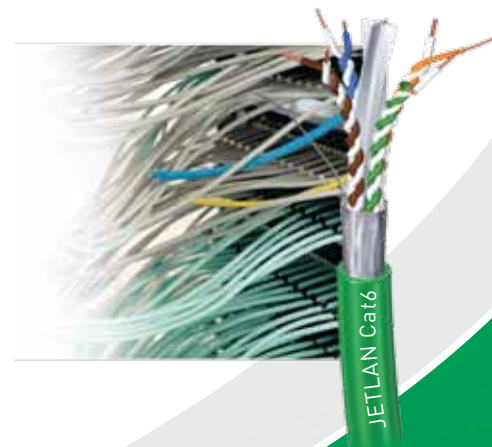
Complete system with performance up to 200 MHz for Cat 5E, 350 MHz for Cat 6 and 500 MHz for Cat 6A in U/UTP, F/UTP, U/FTP, F/FTP and S/FTP. PVC or LSZH (halogen-free low-smoke) sheaths. Cables with third party verified performance (Delta EC). Duplex cables, armored cables, indoor outdoor cables and fire retardant LSZH cables complying with IEC 60332-3 are also available.

### JETLAN® Cat 7 and Cat 7A

F-FTP or S-FTP shielded pair cables with performance defined up to 600 MHz, 900 MHz or 1000 MHz for Cat 7A S/FTP.

### JETLAN® OPTIC

Complete fibre optic system (pigtails, connectors, patch panels and connection tools) with Multi-mode and Single-mode fibres, indoor/outdoor dielectric or metallic armoured, and LSZH (halogen-free low-smoke) cables.



## LOW VOLTAGE INDUSTRIAL CABLES

### EXZHELLENT®-M

Wire armoured cables, halogen-free.

### ARMIGRON®

Wire or tape armoured PVC-sheathed cables.

### TENAFLEX®

Rubber insulated and sheathed cables for mobile services.

### TENASUB®

Cables with rubber insulation and sheath, submersible at great depths.

### INSTRUMENTATION

Signal cables for the petrochemical industry.

### EXZHELLENT®-VARIFLEX

Cables for variable frequency drives, halogen-free.

### ENERGY®-VARIFLEX

PVC-sheathed cables for variable frequency drives.

### TRACTAFLEX®

Heavy duty flexible power cables for mobile equipment with high resistance to deformation.

### PROPURFLEX®

Super heavy duty flexible power cables for vertical mobile equipment with high resistance to mechanical stresses due to high speed movements.



## CABLES FOR MARINE, OFFSHORE & OEM'S

### EXZHELLENT®-NAVY, 606, 6883, MAR & 92-3

Shipboard and off-shore cables according to IEC, BS and/or NEK standards, halogen-free.

### GENFIRE® -NAVY, 606, 6883, MAR & 92-3

Shipboard and off-shore cables according to IEC, BS and/or NEK standards, halogen-free and fire resistant.

### GENFIRE®-RAIL, POLYRAD

Rolling stock (railway) cables, halogen-free.

### EXZHELLENT®-VENT

High-temperature cables for wind-power generators, halogen-free.

### EXZHELLENT®-SOLAR

Cables for photovoltaic installations, halogen-free.

### VULCAN® MINAS

Cables for the mining industry.



## HIGH & EXTRA HIGH VOLTAGE UNDERGROUND SOLUTIONS

### SILEC® Cables

High and Extra High Voltage XLPE cables with rated voltage up to 500 kV AC &  $\pm 320$  kV DC

### SILEC® Accessories

Joints, GIS and external terminations, Link Boxes, etc.

### SILEC® BlueBOX®

Monitoring system able to detect, locate and analyze a partial discharge at any point of the cable route.

### SERVICES

- System and installation engineering
- Total turnkey project management
- Cable pulling
- Accessory installation
- On site testing & commissioning
- After-sales service
- Stand-by Links
- Training



## LOW AND MEDIUM VOLTAGE CABLES FOR DISTRIBUTION SYSTEMS

### AEROPREX®, TORSADE NF C 33-209

Low Voltage aerial bundled cables (ABC).

### HARMOHNY®

Low Voltage single-core cables for underground distribution, halogen-free.

### HERSATENE®

XLPE insulated halogen-free, medium voltage cable up to and including 45 kV.

### HERSATENE®-FOC

XLPE insulated halogen-free and flame retardant, medium voltage cable up to and including 45 kV and flame retardant.

### VULPREN®

HEPR insulated halogen-free, medium voltage cable up to and including 45 kV.

### VULPREN®-FOC

HEPR insulated halogen-free and flame retardant, medium voltage cable up to and including 45 kV.

### EXZHELLENT®

XLPE or HEPR insulated halogen-free and fire retardant, medium voltage cable up to and including 45 kV.

### ALL GROUND®

Cables with reinforced sheath for direct buried installation in any type of soil.



## BARE CONDUCTORS FOR AERIAL LINES

<b>AAC</b>	All aluminium conductors.
<b>AAAC</b>	All aluminium alloy conductors.
<b>ACSR</b>	Aluminium conductor steel reinforced.
<b>ACSR/AW</b>	Aluminium conductor Aluminium Clad Steel Reinforced
<b>AACSR</b>	Aluminium alloy conductor steel reinforced.
<b>AACSR/AW</b>	Aluminium Alloy Conductor Aluminium Clad Steel Reinforced
<b>ACAR</b>	Aluminium conductor aluminium alloy reinforced.
<b>ARAWELD®</b>	Aluminium Clad Steel
<b>OPGW</b>	Optical ground wires.
<b>ACSS</b>	Aluminium conductor steel supported (High temperature conductor)
<b>ACSS/TW</b>	Aluminium conductor steel supported Trapezoidal wires (High temperature conductor).
<b>ACSS/AW</b>	Aluminium conductor Aluminium Clad Steel supported (High temperature conductor).
<b>ACSS/TW/AW</b>	Aluminium conductor Aluminium Clad Steel supported, Trapezoidal wires (High temperature conductor).



## SUBMARINE CABLES

### NSW® Submarine Power Cables

Submarine cables for power transmission delivered in long lengths matching the requirement of the project.

### OCEAN®

Submarine cables for power transmission delivered in tailor made unit length on drums.

### NSW® MINISUB® Submarine Cables

Fibre-optic submarine cables for communications.

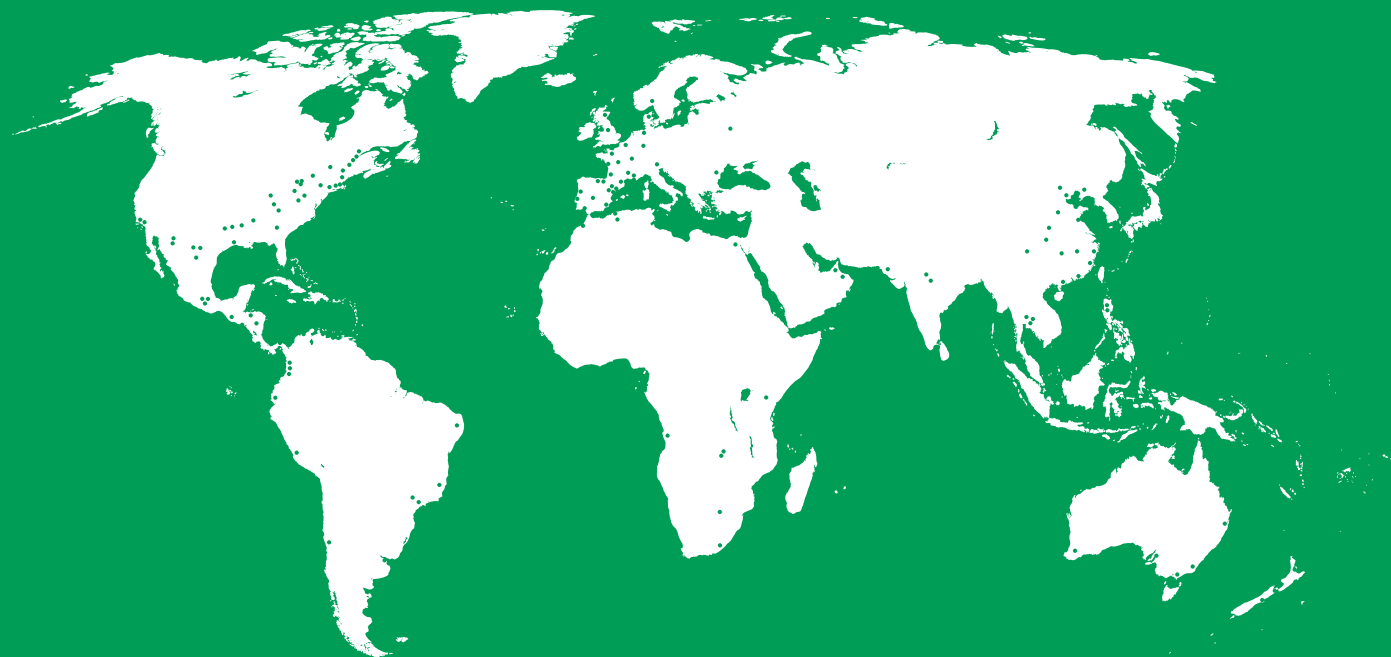
### NSW® Offshore & Special Cables

Customized umbilicals for static and dynamic underwater applications.

### SYSTEMS

Turnkey installation of submarine cables, including: desktop study, marine survey, installation and commissioning, repair and maintenance.





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