General Cable, a leading wire and cable innovator for over 170 years, serves customers through a global network of 57 manufacturing facilities in 26 countries and has worldwide sales representation and distribution. The Company is dedicated to the production of high-quality aluminum, copper and fiber optic wire and cable and systems solutions for the energy, construction, industrial, specialty and communications sectors. In addition to our strong brand recognition and strengths in technology and manufacturing, General Cable is also competitive in costc saving distribution and logistic marketing. This combination enables General Cable to better serve its customers as they expand into new geographic markets.

General Cable
4 Tesseneer Drive
Highland Heights, Kentucky 41076-9753
Telephone: 888.593.3355
859.572.8000
Fax: 800.335.1270
Email: info@generalcable.com
www.generalcable.com
Form No. INS-0152-R0414
156 Parkshore Drive
Brampton, Ontario L6T 5M1
Telephone: 800.561.0649
905.494.5300
Fax: 800.565.2529
Email: info.ca@generalcable.com

GenFree® II LSZH Cables
Low-Voltage Power Cables
Serving the Industrial and Commercial Markets

BRIDGING THE PERFORMANCE GAP

Global Reach
A commitment to achieving industry-leading standards and responding proactively to environmental global issues.

General Cable
RGI has made every effort to ensure that the artwork has been completed accurately. We strongly recommend that the client proof this material carefully before approving its release. RGI cannot accept responsibility for any errors or omissions overlooked by the client or client’s agent.

OUTSIDE

Features:
- Rated at 90˚C wet or dry
- Low-Smoke, Zero-Halogen insulation
- Low Friction (LF) jacket for easy pulling on 8 AWG and larger
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance, exceeding UL 44 requirements
- Excellent resistance to crush, compression, cuts and heat deformation
- Rated VW-1 Flame Test Compliant
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Rated ST-1 for Limited Smoke per UL 44 on sizes 1/0 AWG and larger
- Stable electrical properties over a broad temperature range
- Excellent low temperature cold bend characteristics. Meets cold bend and cold impact test at -40˚C

LSZH Cables
Serving the Industrial and Commercial Markets

LOw-VLage Power Cabl3s
Serving the Industrial and Commercial Markets
GenFree II Low-Smoke, Zero-Halogen Cables®

SUPERIOR, COST-EFFECTIVE, SAFETY-PERFORMANCE SOLUTIONS

Introducing GenFree® II, General Cable's new Low-Smoke, Zero-Halogen (LSZH) Low-Voltage Power Cables with 17 FREE® technology. These cables are designed to be environmentally friendly, offer superior flame resistance, low smoke emission and zero halogens while continuing to provide excellent electrical and mechanical characteristics. GenFree II Cables not only exceed the essential performance characteristics required in today's rigorous industrial and commercial applications but are also a cost-effective solution when customer specifications call for an LSZH construction.

GenFree II Cables are ideal for use in industrial and commercial installations where both performance and reliability are required. This includes closed environments or highly populated areas such as auditoriums, arenas, hotels, health facilities, airports, and other transportation stations where more stringent requirements for smoke emissions are desired.

The Increasing Need for Low-Smoke, Zero-Halogen Cables in North America

Low-Smoke, Zero-Halogen (LSZH) Cables have been a standard industry call-out in the European market for many years, but there had been virtually no demand for these products in the North American industrial and commercial markets until a decade ago. However, in the past few years, there has been a noticeable rise in awareness of and demand for cables with LSZH attributes. North American standards typically require more stringent wet electrical and flame testing requirements than European standards, making development of a cost-effective, fully LSZH line of cables that meet the more rigorous North American requirements a challenge within the wire and cable industry — until now.

GenFree II — A Sustainable Solution

In addition to the low-smoke, zero-halogen and environmental benefits of GenFree II Cables, there is also potential for additional monetary benefits in obtaining LEED credits by installing GenFree II Cables. LEED is an internationally recognized green building certification system that provides third-party verification of a building's green, sustainable design. LEED-certified buildings are designed to provide lower operating costs, reduce harmful waste sent to landfills, and generally provide a healthier and safer environment for occupants. The use of LSZH cables could help qualify a facility for tax credits under a LEED Pilot Credit for PBT source reduction. This return could help reduce the cost of getting the LEED certification and may qualify the project for additional tax credits and zoning allowances.

GenFree II Product Line

General Cable has introduced the market, allowing users to gain low-smoke, zero-halogen benefits without sacrificing other critical cable characteristics. That’s why General Cable offers a complete line of LSZH industrial and commercial products in both single- and dual-layer constructions to complement its standard line of industrial power and control cable. With the application, your General Cable representative can help you select the right product to meet your needs.

GenFree II Features:

- Rated at 90°C wet or dry
- Low-Smoke, Zero-Halogen insulation
- Low Friction (LF) jacket for easy pulling on 8 AWG and larger
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance, exceeding UL 44 requirements
- Excellent resistance to crush, compression, cuts and heat deformation
- Rated VW-1 Flame Test Compliant
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Rated ST-1 for Limited Smoke per UL 44 on sizes 1/0 AWG and larger
- Stable electrical properties over a broad temperature range
- Excellent low temperature cold bend characteristics. Meets cold bend and cold impact test at -40°C

*General Cable patent pending
GenFree II Low-Smoke, Zero-Halogen Cables®
SUPERIOR, COST-EFFECTIVE, SAFETY-PERFORMANCE SOLUTIONS

Introducing GenFree® II, General Cable’s new Low-Smoke, Zero-Halogen (LSZH) Low-Voltage Power Cables with 17 FREE® technology. These cables are designed to be environmentally friendly, offer superior flame resistance, low smoke emission and zero halogen while continuing to provide excellent electrical and mechanical characteristics. GenFree II Cables not only exceed the essential performance characteristics required in today’s rigorous industrial and commercial applications but are also a cost-effective solution when customer specifications call for an LSZH construction.

GenFree II Cables are ideal for use in industrial and commercial installations where both performance and reliability are required. This includes closed environments or highly populated areas such as auditoriums, arenas, hotels, health facilities, airports, and other transportation stations where more stringent requirements for smoke emissions are desired.

The Increasing Need for Low-Smoke, Zero-Halogen Cables in North America
Low-Smoke, Zero-Halogen (LSZH) Cables have been a standard industry call-out in the European market for many years, but there had been virtually no demand for these products in the North American industrial and commercial markets until a decade ago. However, in the past few years, there has been a noticeable increase in awareness of and demand for cables with LSZH attributes.

North American standards typically require more stringent wet electrical and flame testing requirements than European standards, making development of a cost-effective, fully LSZH line of cables that meet the more rigorous North American requirements a challenge within the wire and cable industry — until now.

GenFree II — A Sustainable Solution
In addition to the low-smoke, zero-halogen and environmental benefits of GenFree II Cables, there is also potential for additional monetary benefits in obtaining LEED credits by installing GenFree II Cables. LEED is an internationally recognized green building certification system that provides third-party verification of a building’s green, sustainable design. LEED-certified buildings are designed to provide lower operating costs, reduce harmful waste sent to landfills, and generally provide a healthier and safer environment for occupants. The use of LSZH cables could help qualify a facility for tax credits under a LEED Pilot Credit for PBT source reduction. This return could help reduce the cost of getting the LEED certification and may qualify the project for additional tax credits and zoning allowances.

GenFree II Product Line
General Cable believes that LSZH product requests will continue to increase steadily as new cables such as GenFree II are introduced to the market, allowing users to gain low-smoke, zero-halogen benefits without sacrificing other critical cable characteristics.

That’s why General Cable offers a complete line of LSZH industrial and commercial products in both single and dual layer constructions to complement its standard line of industrial power and control cable. When you choose the application, your General Cable representative can help you select the right product to meet your needs.

GenFree II — Bridging the Performance Gap
Advances in the company’s compound technology have enabled General Cable to develop a proprietary LSZH insulation and jacket system that offers the necessary performance requirements that others have not been able to achieve in LSZH designs. GenFree II Cables not only exceed the essential performance required in today’s industrial and commercial applications, but they also provide a cost-effective solution when customer specifications require a low-smoke, zero-halogen construction.

GenFree II LSZH Cables have excellent wet and dry electrical performance at -25°C and provide flame retardant properties that meet UL 44 VW-1 and IEE 1222 Flame Test requirements as well as UL 1685 flame/smoke test requirements. These cables are compliant with IEC 60332-1-255. GenFree II Cables are all-resistant, meet the UL 44 cold bend test at -40°C, are MVHAR and REACH compliant, and feature General Cable’s Low-Friction (LF) jacket for ease of installation.

GenFree II Features:
- Rated at 90°C wet or dry
- Low-Smoke, Zero-Halogen insulation
- Low Friction (LF) jacket for easy pulling on 8 AWG and larger
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance, exceeding UL 44 requirements
- Excellent resistance to crush, compression, cuts and heat deformation
- Rated VW-1 Flame Test Compliant
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Rated ST-1 for Limited Smoke per UL 44 on sizes 1/0 AWG and larger
- Stable electrical properties over a broad temperature range
- Excellent low temperature cold bend characteristics. Meets cold bend and cold impact test at -40°C

©General Cable patent pending
General Cable, a leading wire and cable innovator for over 170 years, serves customers through a global network of 57 manufacturing facilities in 26 countries and has worldwide sales representation and distribution. The Company is dedicated to the production of high-quality aluminum, copper and fiber optic wire and cable and systems solutions for the energy, construction, industrial, specialty and communications sectors. In addition to our strong brand recognition and strengths in technology and manufacturing, General Cable is also competitive in cost structure, distribution and logistic marketing, sales and customer service. This combination enables General Cable to better serve its customers as they expand into new geographic markets.

A commitment to achieving industry-leading standards and responding proactively to environmental global issues.

General Cable
4 Tesseneer Drive
Highland Heights, Kentucky 41076-9753
Telephone: 888.593.3355
Fax: 800.335.1270
Email: info@generalcable.com
www.generalcable.com

GenFree® II
LSZH Cables

BRIDGING THE PERFORMANCE GAP

Low-Voltage Power Cables
Serving the Industrial and Commercial Markets

Features:
- Rated at 90˚C wet or dry
- Low-Smoke, Zero-Halogen insulation
- Low Friction (LF) jacket for easy pulling on 8 AWG and larger
- Excellent electrical, thermal and physical properties
- Excellent moisture resistance, exceeding UL 44 requirements
- Excellent resistance to crush, compression, cuts and heat deformation
- Rated VW-1 Flame Test Compliant
- Resistant to most oils and chemicals
- UV/sunlight-resistant
- Rated ST-1 for Limited Smoke per UL 44 on sizes 1/0 AWG and larger
- Stable electrical properties over a broad temperature range
- Excellent low temperature cold bend characteristics. Meets cold bend and cold impact test at -40˚C

Global Reach

A commitment to achieving industry-leading standards and responding proactively to environmental global issues.