

CASE STUDY

DESIGNER OUTLET SALZBURG: BRAND NAMES ONLY

The recently opened Designer Outlet Salzburg is a mecca for brand-conscious bargain hunters in the capital city. Even in terms of safety systems, the impressive shopping complex offers its visitors brand names only.

September 10, 2009, saw the opening of a new shopping destination in Salzburg. The new 28,000-square metre Designer Outlet Salzburg, developed by McArthurGlen and Wiener Staedtische Versicherung, offers over 100 international top designer labels at discounts of 30 to 70 percent. Among the stores are famous brand names such as Jil Sander, St. Emile, and Burlington. A total of some 135 million Euros was invested to build Designer Outlet Salzburg.

High safety standards

Safety of shoppers and employees was a prime concern during the design and construction of Designer Outlet Salzburg. For the installation of the electrical systems in the building – including the interiors of the individual shops – the general contractor, Swietelsky Baugesellschaft m.b.H., hired Siemens Bacon GmbH & Co KG Linz (renamed ELIN GmbH & Co KG in 2009) and Siemens Bacon GmbH & Co KG Salzburg.

Siemens Bacon was responsible for several installations including emergency lighting, fire alarm, smoke and heat expulsion, and electro-acoustic systems. For the cabling of these systems Siemens Bacon relied on certified system solutions from Datwyler.

Datwyler's certified safety cable systems with extended insulation and functional integrity ensure that the safety systems of Designer Outlet Salzburg will be reliably powered for 30 to 90 minutes in the event of fire.

In the new building the teams from Siemens Bacon installed a total of 56 kilometres of halogen-free fire-alarm cable, 30 kilometres of ceramic-insulated safety cable with E30 extended functional integrity, and about 20 kilometres of Pyrofil Keram cable with E90 extended functional integrity for rooftop smoke-extraction fans and other equipment.

The cable systems were installed with over 40,000 fasteners, among them strap clamps and single clamps, including some 6,500 multi-support Hermann clamps.

Fast and easy installation

The installers benefited from many practical advantages of the Datwyler cabling system. Thanks to the patented ceramic insulation, Pyrofil safety cables are relatively light and thin, the insulation can be quickly and easily stripped, and the cable rapidly fitted. Allowable fastener spacing exceeds by far the distances specified by the standard. For example, for E30 cables distances of up to 1,2 m are possible. The Hermann clamps, which allow up to 800 mm for both classes of extended functional integrity, make for fast installation and a high density level. Siemens Bacon used "WUM" supporting measures for vertical cable installation in utility shafts, which eliminated the need for meandering specified by the standard.

In spite of these alternative laying techniques, the installation is a standard-compliant and certified complete system that has received all necessary approval certificates from the building authorities.

Thanks to the flexible and precise work of the Siemens Bacon teams and the speedy delivery of Datwyler products, the safety cabling was installed in a comparatively short time and put into service as early as summer 2009.

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