



SILE TUFFTEC

Series resistance cable for frost protection



Halogen free and UV resistant SILE TuffTec series resistance cables are aimed for frost protection in outdoor applications, such as roads, driveways, bridges, terraces, roofs and gutters.

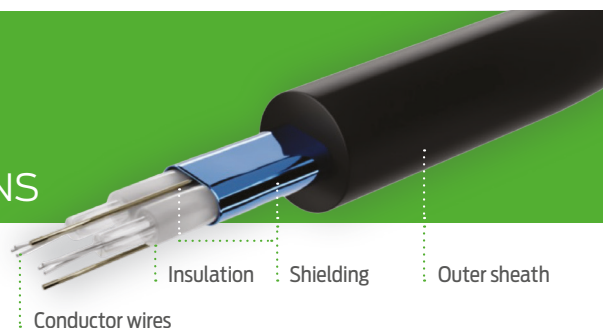
High heat resistance and very good mechanical durability enable the use of SILE TuffTec cables in places that are exposed to particularly demanding conditions. SILE TuffTec is also suitable for asphalt installation, as it can be momentarily exposed to temperatures of up to 240 °C.

The suitability of SILE TuffTec cables for different applications is best determined by calling our sales representative, who will advise on product selection and can plan the right power and calculate the cable requirement according to the installation site.

SILE TuffTec is available to order by the meter, as a ready-to-install tailor-made cable, and as a ready-to-install cable mat. In tailor-made products, the connection cable can be selected according to the application. Tailor-made cables and cable mats are manufactured locally in our own production, so please allow 1–5 business days for production or check the current production time estimate with our sales department.

Note that with the right control system, anti-freeze systems are more energy and cost-effective. At the same time, using a control system extends the service life of the cables. We are happy to assist with solution planning – reach out to our customer service for design support.

If PST heating cables are used as space heaters, they must be controlled by a thermostat that complies with the EcoDesign directive. The cable or heating mats are classified as space heaters when installed indoors, in residential spaces.



Type	Series resistance double conductor cable
Operating voltage	230 / 400 VAC (according to dimensioning)
Max. load	30 W/m
Resistance	0.09–20 Ω/m
Outer sheath	UV-protected HFFR
Shielding	Protection conductors, tinned copper + ALPET foil
Insulation layers	FEP and HDPE
UV protection	Yes
Dimensions Ø	6 x 7 mm
Mechanical endurance	Class M2
Min. installation temp.	–25 °C
Max. ambient temp.	110 °C
Max. exposure temp.	240 °C (momentarily, max. 10 min)
Min. bending radius	35 mm (installation distance 70 mm)
Standards	IEC 60800, EN 62233:2008, EN 62395-1:2014+A1:2018

Cables

PRODUCT NO.	PRODUCT NAME	RESISTANCE (Ω/m)
04 359 50	Vakiovastuskaapeli SILE TuffTec	0,0878
04 359 51	Vakiovastuskaapeli SILE TuffTec	0,119
04 359 52	Vakiovastuskaapeli SILE TuffTec	0,145
04 359 53	Vakiovastuskaapeli SILE TuffTec	0,191
04 359 54	Vakiovastuskaapeli SILE TuffTec	0,218
04 359 55	Vakiovastuskaapeli SILE TuffTec	0,253
04 359 56	Vakiovastuskaapeli SILE TuffTec	0,435
04 359 57	Vakiovastuskaapeli SILE TuffTec	1,08

Cable mats

PRODUCT NO.	PRODUCT NAME	SIZE	POWER (kW)
81 796 34	Sulanapitoverkko SILE TuffTec1	1 x 4 m	1,1
81 796 36	Sulanapitoverkko SILE TuffTec1	1 x 6 m	1,7
81 796 37	Sulanapitoverkko SILE TuffTec1	1 x 7 m	2,2
81 796 38	Sulanapitoverkko SILE TuffTec1	1 x 8 m	2,2
81 796 39	Sulanapitoverkko SILE TuffTec1	1 x 9 m	2,9
81 796 40	Sulanapitoverkko SILE TuffTec1	1 x 10 m	3,0
81 796 41	Sulanapitoverkko SILE TuffTec1	1 x 11 m	3,0
81 796 42	Sulanapitoverkko SILE TuffTec1	1 x 12 m	3,4