

# ELEKTRA Heating Mats

ELEKTRA SnowTec<sup>®</sup><sub>Tuff</sub> Heating Mats are ready-to-install heating elements, dedicated to special applications, composed of an ELEKTRA TuffTec<sup>™</sup> heating cable produced in accordance with EN 60335-1. The cable is secured with unique tape in the mat shape. This system is designed for outdoor use to protect against snow and ice on driveways, walkways, ramps, etc.

Exceptional mechanical and thermal resistance allows for the application in spots especially exposed to harsh installation and operation conditions. Very high temporary exposure temperature (240°C) will make it possible to install the SnowTec<sup>®</sup><sub>Tuff</sub> heating mats even directly in asphalt.

## Single-side power supply SnowTec<sup>®</sup><sub>Tuff</sub>



### This package contains:

- ELEKTRA SnowTec<sup>®</sup><sub>Tuff</sub> heating mat,
- instruction manual.

### > Technical data:

Power output:	400 W/m <sup>2</sup>
Power supply:	230 V, 400 V ~ 50/60 Hz
Mat thickness:	~ 7.5 mm
Min. installation temperature:	-25°C
Max. working temperature:	+110°C
Max. exposure temperature (10 min.):	+240°C
Conduit cables:	1 x 4 m; 3 x 1.5 mm <sup>2</sup> or 3 x 2.5 mm <sup>2</sup>
Type of heating cable:	double-core of diameter ~ 6.8 mm, single-side power supply
Screen of heating cables:	100% coverage, PET covered aluminum foil, tinned copper braiding
Power output of heating cable:	~ 40 W/m
Insulation:	double layer, FEP + HDPE
Outer sheath:	HFFR
Rated power output tolerance:	+5%, -10%
Min. radius of bending cable:	3.5 D
Deformation strength:	> 1500 N
Pulling strength:	> 300 N
Protection:	IPX7
Product certificates:	EAC
Certificate of ISO 9001:	IQNET, PCBC
Product mark:	CE



SHIELDED



TWIN CONDUCTOR



MULTI WIRE CONDUCTOR



TWIN INSULATION



FLUORO POLYMER INSULATION



PVC FREE



UV RESISTANT



EXTRA TOUGH



## 230V

TYPE	DIMENSIONS	POWER
-	m x m	W
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/1.5	0.6 x 1.50	310
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/3.0	0.6 x 3.00	730
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/4.5	0.6 x 4.50	1100
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/6.0	0.6 x 6.00	1350
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/7.5	0.6 x 7.50	1800
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/9.0	0.6 x 9.00	2150
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/10.0	0.6 x 10.00	2350
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/12.0	0.6 x 12.00	2800
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/14.0	0.6 x 14.00	3400
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/16.0	0.6 x 16.00	3650
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/18.0	0.6 x 18.00	4400

## 400V

TYPE	DIMENSIONS	POWER
-	m x m	W
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/2.5 400V	0.6 x 2.50	560
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/5.0 400V	0.6 x 5.00	1260
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/8.0 400V	0.6 x 8.00	1940
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/10.0 400V	0.6 x 10.00	2350
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/13.0 400V	0.6 x 13.00	3100
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/15.0 400V	0.6 x 15.00	3870
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/17.0 400V	0.6 x 17.00	4150
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/20.0 400V	0.6 x 20.00	4910
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/22.0 400V	0.6 x 22.00	5310
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/25.0 400V	0.6 x 25.00	5800
SnowTec <sup>®</sup> <sub>Tuff</sub> 400/27.0 400V	0.6 x 27.00	6480

### > Accessories:

Temperature controllers: ETOG2, ETR2G

### La Grand E.V.O

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