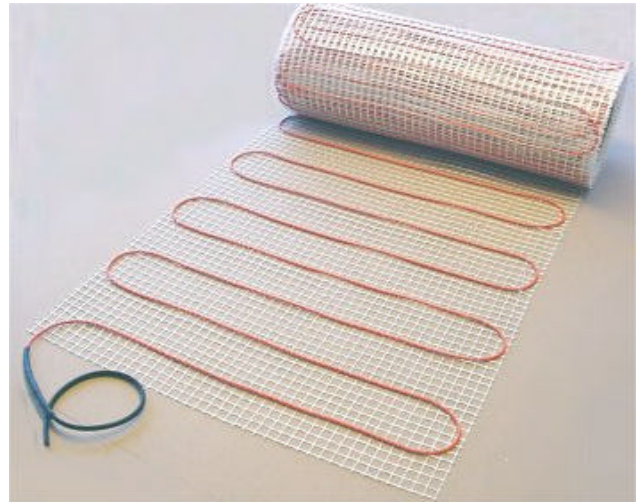


Technical data & specifiers guide – FHM150w & FHCM200w cable mat series

Technical data -

Electric heating cable comprising of a twin element resistance wire, coated with teflon, it has 2 Kevlar inserts & is surrounded by a tinned copper earth shield & a final PVC outer jacket. Cable is woven to a self-adhesive mesh matting at a spacing of 150watts per sqm or 200 watts per sqm.

- Twin conductor insulated heating cables manufactured pursuant to VDE0700 & EN60335-1: 1994 Cables woven to matting
- Teflon insulation of heating conductors pursuant to VDE0700, composition pursuant VDE0207 part 20
- Country of manufacture – Denmark
- Cable diameter – 3 mm
- Extremely durable
- Single 3 metre 'cold' cable connection
- Output 150w & 200w per sqm
- Protective shield – tinned copper
- Dielectric strength 2500 volt AC
- Rated voltage 230 VAC / 50Hz
- Maximal cable temperature 90 deg C
- Pull Enforcement – 2 x Kevlar Wires
- UV Resistant
- Approvals CE & SEMKO
- Application – Underfloor heating



Installation

- Recommended power density between 50%-100% increase on the **buildings net heat loss per sqm** – this will facilitate reasonable warm-up times.
- Mats available in 150watt per sqm (internal rooms) & 200w per sqm for conservatories
- Suitable for either primary heating in well insulated buildings or comfort heat source.
- Recommended control – digital thermostat with floor sensor
- Installation in thin-flowing screeds for most* floor finishes, or directly beneath tile, stone, ceramic & marble flooring.
- Room coverage 80-90% depending on shape/size
- Fixing to sub-floor - self adhesive on primed sub-floor

Standard mat sizes available as shown above: 2 or more mats can be connected together in parallel at the thermostat to cover larger rooms. All circuits must incorporate 30mA RCD protection

Warranty period – 10 years from date of installation.

- {Note always check with floor covering manufacturer concerning suitability with underfloor heating}

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Available sizes/outputs

FHSM150 series - 150watt per sqm mats

Product Code	Mat length in metres	Mat coverage in sqm	Power in watts	Resistance (ohm)
FHSM150/150	2 m	1.0 sqm	150 w	339
FHSM150/225	3 m	1.5 sqm	225 w	225
FHSM150/300	4 m	2.0 sqm	300 w	168
FHSM150/375	5 m	2.5 sqm	375 w	133
FHSM150/450	6 m	3.0 sqm	450 w	111
FHSM150/600	8 m	4.0 sqm	600 w	84
FHSM150/750	10 m	5.0 sqm	750 w	67
FHSM150/900	12 m	6.0 sqm	900 w	55
FHSM150/1050	14 m	7.0 sqm	1050w	48
FHSM150/1200	16 m	8.0 sqm	1200w	41
FHSM150/1350	18 m	9.0 sqm	1350w	37
FHSM150/1500	20 m	10.0 sqm	1500w	32
FHSM150/1650	22m	11.0sqm	1650w	
FHSM150/1800	24m	12.0sqm	1800w	

FHCM200 series - 200 Watt per sqm mats

Product Code	Mat length in metres	Mat coverage In sqm	Power in watts	Resistance (ohm)
FHCM200/1000	10 m	5.0 sqm	1000w	
FHCM200/1200	12 m	6.0 sqm	1200 w	
FHCM/200/1400	14 m	7.0 sqm	1400 w	
FHCM200/1600	16 m	8.0 sqm	1600 w	
FHCM200/1800	18 m	9.0 sqm	1800 w	
FHCM200/2000	20 m	10.0 sqm	2000 w	

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