

Specification guideline electrical underfloor heating self-regulating cable

SELF-REGULATING HEATING CABLE



- An electrical underfloor heating system shall be installed to provide a comfortable (18-27°C) floor temperature.
- The underfloor heating cables shall be the energy efficient, self-regulating type, Raychem T2Red, as manufactured by Chemelex, delivering 10 W/m @ 25°C.
- The heating cable shall be rugged and chemically resistant, with fluoropolymer electrical insulation, tinned copper braid and fluoropolymer over jacket.
- The termination of the self-regulating heating cable shall be made using components as approved by the manufacturer. For T2Red, terminations and connections shall be made using components as manufactured by Chemelex and detailed in the Raychem Floor Heating Handbook.
- The manufacturer shall provide a 12 year Total Care Warranty, for systems installed, tested, commissioned and registered, strictly according to their requirements, by a qualified electrician and this shall be extendable to 20 years if performed by Certified Pro installers.

- All underfloor heating cables shall be capable of a maximum circuit length of 100 m.
- All underfloor heating circuits shall be protected by an MCB (to BS EN 60898, type C/D) and RCD (30 mA sensitivity, tripping within 100 ms)

All underfloor heating circuits shall be controlled and monitored by Raychem programmable digital floor temperature sensing thermostats, with integrated timer, economy setback and boost functions.

- All connections between the electrical supply, control panel, thermostat (s) and underfloor heating circuits shall be installed by an approved electrical contractor.

Europe, Middle East, Africa, India

Tel +32 16 213 511

Fax +32 16 213 604

info@chemelex.com

Asia Pacific

Tel +86 21 2412 1688

infoAPAC@chemelex.com

chemelex
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Raychem Tracer Pyrotenax Nuheat