

SPECIFICATION GUIDELINE ELECTRICAL UNDERFLOOR HEATING CONSTANT WATTAGE 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 10 W/m, two wire constant wattage cable type (to ensure negligible electro-magnetic fields), with Teflon inner jacket, electrical braid, LSOH type 1 outer jacket and overall thickness of 5.5 mm, as manufactured by nVent and known as nVent RAYCHEM T2Blue-10.
- 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 200 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 programmable digital floor temperature sensing thermostats, named RAYCHEM NRG-Temp, 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.

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