

# What Type Of Cable Is Required For The Heatmiser 12 v Network System?

*For the 12v network system we recommend using an 8 core shielded networking cable such as CAT5e-FTP or Belden 9538.*

*This type of cable needs to be used:*

- *From each thermostat back to the UH1*
- *On any network links between UH1's if multiple UH1's are on the system*
- *From any networking devices such as the Touchpad or NetMonitor back to the UH1*

***When using shielded cable ensure the shield drain wire ( the silver unshielded wire ) is connected to earth at the UH1 end, this will shield the cable and reduce the possibility of interference from neighbouring cables.***

*The network uses digital communications to talk between the thermostats and touchpad, or netmonitor.*

*This digital communications line needs to be protected from interference and the cat5- ftp does this in 2 ways.*

- 1. The cable is shielded from outside interference.*
- 2. The cables are twisted around each other in pairs.*

*We recommend connecting as follows:*

*Brown to + Brown/white to -*

*Blue to B, Blue/white to Y*

*Orange to A1, Orange/white to A2*

*Green to B1, Green/white to B2 (PRT/HW-N AND PRT/HW-NTS only)*

*Each set of connections forms a twisted pair in the cable cancelling out any interference to or from the cables.*

*If your cable colours are different, make sure you use a twisted pair for each of the following :*

*+ & -*

*A1 & A2*

*B1 & B2*

*Y & B*