SDU Pre-wiring specification

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1.1 Cables

Provide two CAI certified CT 100 type coaxial cables direct from the mini dish location to the main lounge/ living area. This can then provide signals from a mini dish regardless of what STB is being used (Sky+HD, FreeSat or Sky Q) the engineer will determine what LNB is needed depending on the STB type.

These two cables should run direct from the mini dish location to the lounge/ living area, with no joins or small bend radius' that could damage the cable or cause signal issues.

There should be at least 2 m of cable left outside in a neat coil at the intended mini dish location fastened securely by way of clip and cable tie. The ends of the cable should be terminated in an externally mounted weatherproof box or taped with self-amalgamating tape to ensure no water ingress whilst cables await connection to the mini-dish.

1.2 Considerations

- It is the responsibility of the builder to install and provide these cables and to determine the best method of entry and exit for the individual SDU property.
- Cables to be terminated on the South/South East elevation of the house due to dish positioning requirement.
- Sky Home Service Engineers will not enter a loft space that is not full boarded and lit, to connect cables etc.

- Provide one additional CAI certified CT 100 type coaxial to the main lounge/ living area. This can be left in the loft space for a local aerial contractor to fix to if the resident chooses not to have Sky.
- Provide one additional CAI certified CT 100 type coaxial to any other rooms for DTT aerial signals only (not required for Sky), If ordered or part of the standard spec.
- It is not the Home Service Engineers responsibility to connect any other cables in the house apart from the two cables at the mini dish location and in the lounge/living area.

1.3 Outlets

- Use a modular faceplate with a dual/ 2 single F Type modules or a standalone dual F Type Socket Faceplate.
- A bush type module for the two satellite cables is another alternative (1.5m cable will need to be coiled in the lounge/living area)
- Use a single UHF module for the TV aerial.
- If telephone connections are used at this location then another single module can be used.
- Quad plates will NOT work on a wideband signal from the LNB and are designed for MDU IRS systems that use multi-switches.

1.4 Appendix A - CABLES AND FIXINGS

- All cables shall be manufactured to the relevant parts of Specification BS EN 50117-1:2002+A2:2013

- All cables must have passed the benchmarking approval test as conducted by the Confederation of Aerial Industries Ltd. And have a certificate issued by the Confederation of Aerials Industries Ltd that the cable meets with the benchmarking approvals.

- All co-axial cables shall be CAI certified digital cable and of type 100/125/165 only.

- For an update on supplier list please visit www.cai.org.uk.

- All coaxial cable shall have a nominal characteristic of 75 ohms and will be suitable for the application concerned. The Contractor should take into account any requirements for special cable constructions such as LSZH (Low Smoke Zero Halogen)

- Only PVC cables may be installed within ducts or risers.

- If installed underground, the cables must be of the Bonded Shield type or installed within a suitable 110mm (outside diameter) ducting. Bonded Shield cables must contain a water barrier consisting of a polythene-backed aluminium foil tape embedded in the sheath.

- All underground cables will be in a separate green duct of 110mm (outside diameter) and of a suitable quantity to take the number of cables involved. The ducting type must be approved by the Developer.

- The Developer must be consulted and approval given for all routes below paths, roads etc. As ducting requirements may vary.

- No underground joints in the cables will be allowed. All joints must be made above Ground.

- All external surface routes must be cleared with the Developer before installation.

- All fly leads will be 'Double Screened' and comply with the relevant parts of BSEN 60966-2-4:2009. Fly leads should be of a length to achieve a neat and tidy installation.

Document Information

Document created by	Gareth Jones
Job title	Trading Operations Controller
Date created	Jan 2019
Version	V2.0