We claim:

1. A cable clamping unit for clamping a cable including:

a first and second mating units for clamping around the cable, each of the mating units further including a soft sleeve for engaging the cable, said sleeves being at least semi permanently attached to a corresponding mating unit.

2. A cable clamping unit as claimed in claim 1 wherein said soft sleeves are attached by means of a series of posts mating with a corresponding series of cavities and forming a snug fit there to.

3. A cable clamping unit as claimed claim 2 wherein the series of posts are formed on the sleeve and the series of cavities are formed in the mating units.

4. A cable clamping unit as claimed in any one of the preceding claims wherein said soft sleeve further engages a corresponding mating unit in a snug fit by means of an arcuate lip engaging a slot.

5. A cable clamping unit as claimed in claim 4 wherein the lip is formed on the soft sleeve and the slot is formed on the mating unit.

6. A cable clamping unit as claimed in any one of the preceding claims wherein the clamping units are stackable.

7. A cable clamping unit as claimed in claim 6 wherein the clamping units include a series of through hole screws, with the through hole screws of adjacent clamping units being interconnected.

8. A cable clamping unit as claimed in claim 6 where the non cable engaging surface of the mating unit forms a generally planar supporting surface for stacking.

9. A cable clamping unit as claimed in any previous claim wherein multiple clamping units can be attached to a U shaped busbar with mating bolts.

10. A cable clamping unit as claimed in claim 8 wherein the mating bolts include a profiled head which engages with the busbar to resist rotation of the mating bolt.

11. A cable clamp adapted for clamping electrical cables, comprising:

a busbar securing portion for securing the cable clamp to a busbar;

a first mating unit comprising a first cable locating formation;

at least two securing nuts comprising a threaded portion for engaging at least two respective attachment bolts and also for engaging at least two respective securing bolts; and

a second mating unit comprising a second cable locating formation, said second mating unit being adapted to engage with said first mating unit thereby to securely clamp an electrical cable located between respective first and second locating formations of the first and second mating units.

12. A cable clamp as claimed in claim 11 wherein the busbar securing portion comprises:

a busbar engaging portion comprising at least two apertures adapted to receive said at least two attachment bolts.

13. A cable clamp as claimed in claim 12 wherein the first mating unit comprises

an arcuate upper surface forming the first cable locating formation;

an arcuate resilient sleeve semi-permanently attached to said upper arcuate surface for engaging an electrical cable therewith, and

at least two cavities therein adapted to receive said at least two attachment bolts for attachment of said first mating unit to the busbar.

14. A cable clamp as claimed in claim 13 wherein the second mating unit comprises;

an arcuate lower surface forming the second cable locating formation;

an arcuate resilient sleeve semi-permanently attached to said second cable locating formation for engaging an electrical cable therewith;

at least two cavities adapted to align with said at least two cavities of said first mating unit when in use and further adapted to receive at least two securing bolts to secure said second mating unit to said first mating unit such that said upper arcuate surface and said lower arcuate surface of respective mating units are aligned and therefore secure an electrical cable therein.

15. A cable clamp as claimed in claim 14 further comprising at least two securing nuts comprising a threaded portion for engaging a respective one of said at least two attachment bolts and also a respective one of said at least two respective securing bolts.

16. A cable clamp as claimed in claim 15 wherein said at least two cavities of said first mating unit and said at least two cavities of said second mating unit are each further adapted to at least partially conceal a respective one of said at least two securing nuts.

17. A cable clamp as claimed in claim 16 wherein said at least partial concealment of said at least two securing nuts significantly minimises unwanted corona discharge associated with said electrical cable.

18. A cable clamp as claimed in any one of claims 14 to 17 wherein said arcuate resilient sleeves are attached to a respective one of said first and second mating units by means of a series of posts on said sleeves, said posts adapted to mate with a corresponding series of cavities in said respective mating unit and forming a snug fit to respective cable locating formations of said first and second mating units.

19. A cable clamp as claimed in any one of the preceding claims wherein the first mating unit and the second mating unit are formed from a non-conducting material.

20. A cable clamp as claimed in claim 19 wherein the first mating unit and the second mating unit are formed from a plastics material.

21. A cable clamp as claimed in either claim 19 or claim 20 wherein the first mating unit and the second mating unit are formed from a material having a high dielectric constant to assist in minimisation of unwanted corona discharge.

22. A cable clamp as claimed in claim 20 wherein the first mating unit and the second mating unit are formed via an injection moulding technique.

23. A cable clamp as claimed in any one of the preceding claims wherein the first mating unit and the second mating unit are substantially identical.

24. A cable clamp as claimed in any one of the preceding claims wherein the electrical cable is a high-voltage electrical cable.

25. A cable clamp substantially as herein described with respect to any one of the accompanying figures and/or examples.

26. A kit for a cable clamp for clamping electrical cables, the kit comprising:

a busbar securing portion for securing the cable clamp to a busbar;

a first mating unit comprising a first cable locating formation;

at least two attachment bolts for attachment of the busbar securing portion and the first mating unit to the busbar

at least two securing nuts comprising a threaded portion for engaging a respective one of said at least two attachment bolts thereby to secure the first mating unit and the busbar securing portion to the busbar;

a second mating unit comprising a second cable locating formation;

at least two securing bolts adapted to engage with said threaded portion of a respective one of said securing nuts thereby secure the second mating unit in cooperation to said first mating unit and thereby secure a cable located in engagement with said first and said second cable locating formations.

27. A kit as claimed in claim 26 further comprising:

a first arcuate resilient sleeve semi-permanently attached to said first cable securing formation of said first mating unit for engaging an electrical cable therewith; and

second arcuate resilient sleeve semi-permanently attached to said second cable securing formation of said second mating unit for engaging an electrical cable therewith.

28. A kit as claimed in either claim 26 or claim 27 wherein the first and the second mating units are substantially identical.

29. A kit for a cable clamp substantially as herein described with respect to any one of the accompanying figures and/or examples.

The claims defining the invention are as follows:

1. A cable clamp adapted for clamping electrical cables, comprising:

a securing portion for securing the cable clamp to a support;

a first mating unit comprising a first cable locating formation and at least two cavities therein adapted to receive at least two attachment bolts for attachment of said first mating unit to the support;

at least two securing nuts comprising a threaded portion for engaging said at least two respective attachment bolts and also for engaging at least two respective securing bolts; and

a second mating unit comprising a second cable locating formation and at least two cavities adapted to align with said at least two cavities of said first mating unit when in use, and further adapted to receive said at least two securing bolts to engage said second mating unit with said first mating unit thereby to securely clamp an electrical cable located between reswpective first and second locating formations of the first and second mating units;

wherein said at least two cavities of said first mating unit and said at least two cavities of said second mating unit are each further adapted to at least partially conceal a respective one of said at least two securing nuts and to allow said at least two securing nuts to be rotated within the respective cavities relative to the respective first and second mating units.

2. A cable clamp as claimed in claim 1 wherein the busbar securing portion comprises:

an engaging portion comprising at least two apertures adapted to receive said at least two attachment bolts.

3. A cable clamp as claimed in claim 2 wherein the first mating unit further comprises:

an arcuate upper surface forming the first cable locating formation; and

an arcuate resilient sleeve semi-permanently attached to said upper arcuate surface for engaging an electrical cable therewith.

4. A cable clamp as claimed in claim 3 wherein the second mating unit further comprises:

an arcuate lower surface forming the second cable locating formation; and

an arcuate resilient sleeve semi-permanently attached to said second cable locating formation for engaging an electrical cable therewith;

wherein, in use, said upper arcuate surface and said lower arcuate surface of respective mating units are aligned and therefore secure an electrical cable therein.

5. A cable clamp as claimed in claim 4 further comprising at least two securing nuts comprising a threaded portion for engaging a respective one of said at least two attachment bolts and also a respective one of said at least two respective securing bolts.

6. A cable clamp as claimed in any one of the preceding claims1 wherein said at least partial concealment of said at least two securing nuts significantly minimises unwanted corona discharge associated with said electrical cable.

7. A cable clamp as claimed in any one of claims 4 to 6 wherein said arcuate resilient sleeves are attached to a respective one of said first and second mating units by means of a series of posts on said sleeves, said posts adapted to mate with a corresponding series of cavities in said respective mating unit and forming a snug fit to respective cable locating formations of said first and second mating units.

8. A cable clamp as claimed in any one of the preceding claims wherein the first mating unit and the second mating unit are formed from a non-conducting material.

9. A cable clamp as claimed in claim 8 wherein the first mating unit and the second mating unit are formed from a plastics material.

10. A cable clamp as claimed in either claim 8 or claim 9 wherein the first mating unit and the second mating unit are formed from a material having a high dielectric constant to assist in minimisation of unwanted corona discharge.

11. A cable clamp as claimed in claim 9 wherein the first mating unit and the second mating unit are formed via an injection moulding technique.

12. A cable clamp as claimed in any one of the preceding claims wherein the first mating unit and the second mating unit are substantially identical.

13. A cable clamp as claimed in any one of the preceding claims wherein the electrical cable is a high-voltage electrical cable.

14. A cable clamp substantially as herein described with respect to any one of the accompanying figures and/or examples.

15. A kit for a cable clamp for clamping electrical cables, the kit comprising:

a securing portion for securing the cable clamp to a support;

a first mating unit comprising a first cable locating formation and at least two cavities therein adapted to receive at least two attachment bolts for attachment of the securing portion and the first mating unit to the support

at least two securing nuts comprising a threaded portion for engaging a respective one of said at least two attachment bolts thereby to secure the first mating unit and the securing portion to the support;

a second mating unit comprising a second cable locating formation and at least two cavities adapted to align with said at least two cavities of said first mating unit when in use and further adapted to receive at least two securing bolts to engage with said threaded portion of a respective one of said securing nuts thereby secure the second mating unit in cooperation to said first mating unit and thereby secure a cable located in engagement with said first and said second cable locating formations;

wherein said at least two cavities of said first mating unit and said at least two cavities of said second mating unit are each further adapted to at least partially conceal a respective one of said at least two securing nuts and to allow said at least two securing nuts to be rotated within the respective cavities relative to the respective first and second mating units.

16. A kit as claimed in claim 15 further comprising:

a first arcuate resilient sleeve semi-permanently attached to said first cable securing formation of said first mating unit for engaging an electrical cable therewith; and

a second arcuate resilient sleeve semi-permanently attached to said second cable securing formation of said second mating unit for engaging an electrical cable therewith.

17. A kit as claimed in either claim 15 or claim 16 wherein the first and the second mating units are substantially identical.

18. A kit for a cable clamp substantially as herein described with respect to any one of the accompanying figures and/or examples.