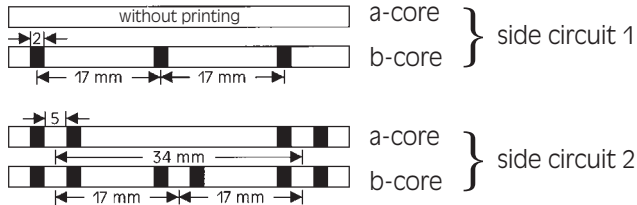# Colour code according to DIN VDE 0816 and extended

Outdoor Telephone Cables

A-2Y(L)2Y...Bd and **A-2YF(L)2Y...Bd**
A-02Y(L)2Y . . . Bd, A-02YSF(L)2Y . . Bd and **A-2Y0F(L)2Y . . . Bd**

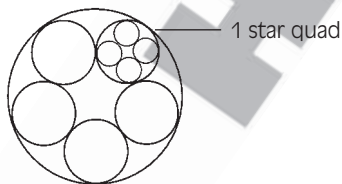The Insulating coverings of single cores of a quad are to be marked with black rings:

The insulating cores of five star quads of a sub-unit must have the following colours:

Quad 1: basic colours of all conductors red
Quad 2: basic colours of all conductors green
Quad 3: basic colours of all conductors grey
Quad 4: basic colours of all conductors yellow
Quad 5: basic colours of all conductors white

The first sub- or main-unit in each layer is to be marked by an open helix of plastic tape of red (marker). All other sub- or main-units must be whipped with an open helix of white or uncoloured plastic tape. The quads of a sub-unit are to be counted according to the sequence of basic colours.
In cables with more than 5 star quads, the sub- and main-units must be counted continuously beginning with maker-unit at inner layer towards outside.
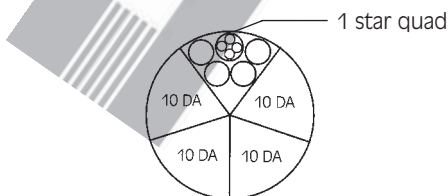
Design of a sub-unit:
Consist of 5 star quads = 10 pairs (DA)
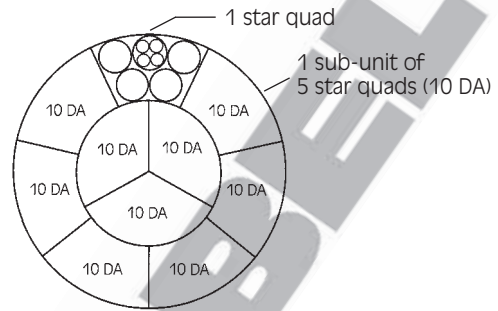(DA = double core or pair)

Design of a main-unit:
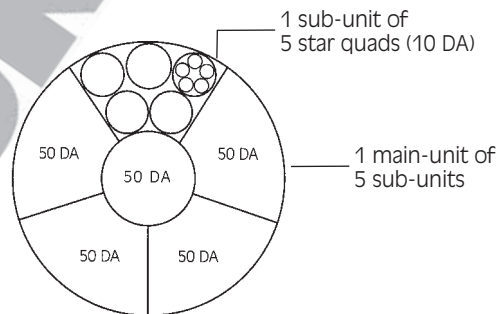Consist of 5 sub-units = 50 pairs (DA)

Desing of a main-unit:
Consist of 10 sub-units = 100 pairs (DA)

Design of a 300-pairs cable:
Consist of 6 main-units, each of 50 pairs (DA)

Design of a 1500-pairs cable:
Consist of 15 main-units, each of 100 pairs (DA)