

Selection of Moflex

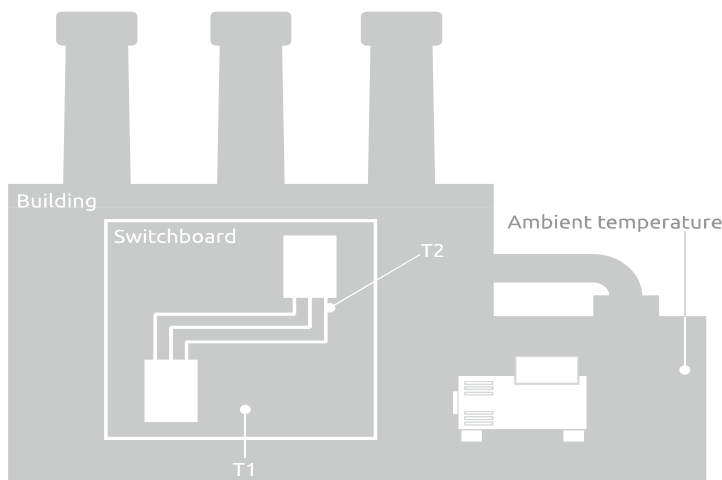
ΔT = temperature rise of the Moflex conductor ($^{\circ}C$)
 T_1 = internal temperature of the switchboard ($^{\circ}C$)
 T_2 = temperature of the Moflex conductor ($^{\circ}C$)

For example $I_n = 1000A$ connection

Step 1: $T_1 = 35^{\circ}C$ and $T_2 = 85^{\circ}C$
 $\Delta T = T_2 - T_1$
 $\Delta T = 85^{\circ}C - 35^{\circ}C$
 $\Delta T = 50^{\circ}C$

Step 2: Please find from the page 62 table on the column $\Delta T = 50$ the closest value of the 1000A.
 MMC0321001 Moflex 32x1x10, 320 mm², 1049A
 or
 MMC0630501 Moflex 63x1x5, 315 mm², 1040A.

Step 3: Select the Moflex flexibar according to the equipment terminal width.



Moflex saves you time and money



Does not require additional connection parts and saves the time of installation

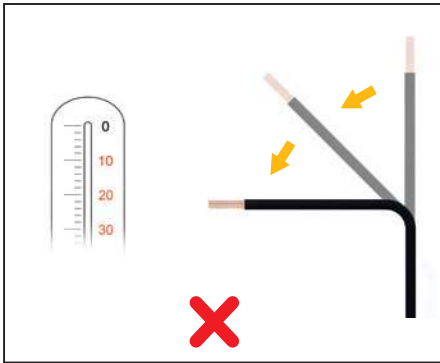


Makes direct connection without additional connectors, enables you to save space in the panel



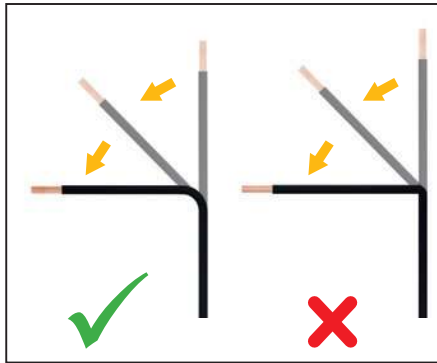
Gives additional flexibility comparing to standard rigid bar and it is easily adapted to unexpected project change

Assembly instructions



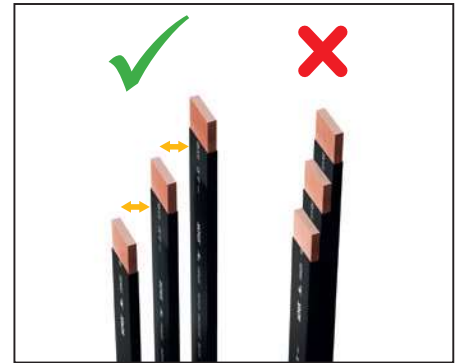
No bending at low temperatures (< 0°C or < 30F)

Elongation of the coating before breakage is reduced at low temperatures. Recommended is bending at room temperature.



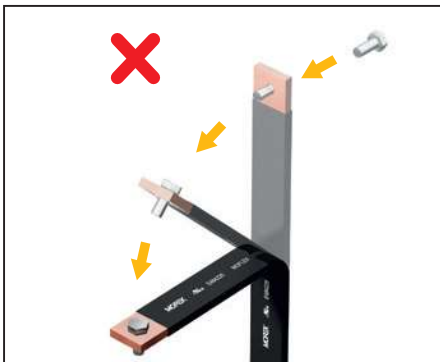
No sharp-edged bending

Recommended inner radius for bending:
 busbar thickness 1 - 5 mm: radius 5 mm
 busbar thickness 6 - 10 mm: radius = thickness



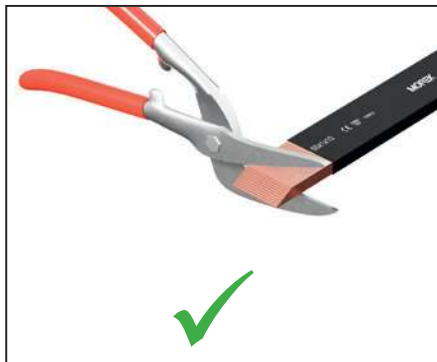
Parallel assembly has influence to heat radiation

Recommended distance between bars = min. 1 x bar width. Please pay attention to correction factors for parallel assembly!

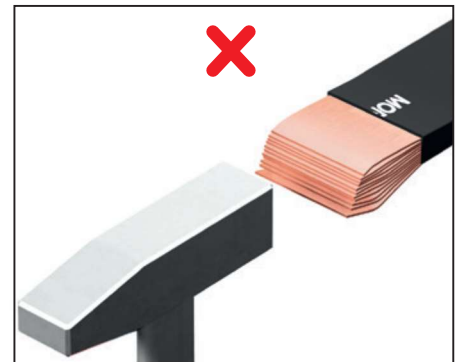


Copper files slide when bending to compensate the different length of inner and outer file

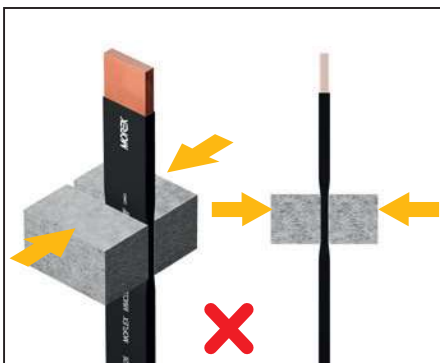
No fixation before bending! It hinders the slide and may lead to burst of PVC-coating.



Bars must be cut if copper slides emerge after bending

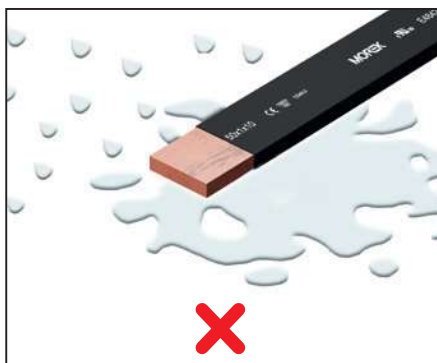


Heavy push back of copper files may cause deformation with resulting damage of PVC-coating



Please avoid crushing of the PVC coating

Damage of coating or reduced wall thickness endangers function of isolation.



Do not expose to dirt, water and humidity

Humidity may invade by the open ends of the busbars. This causes copper oxidation and endangers operating safety.



Do not drill holes exceeding half of the width of the bar