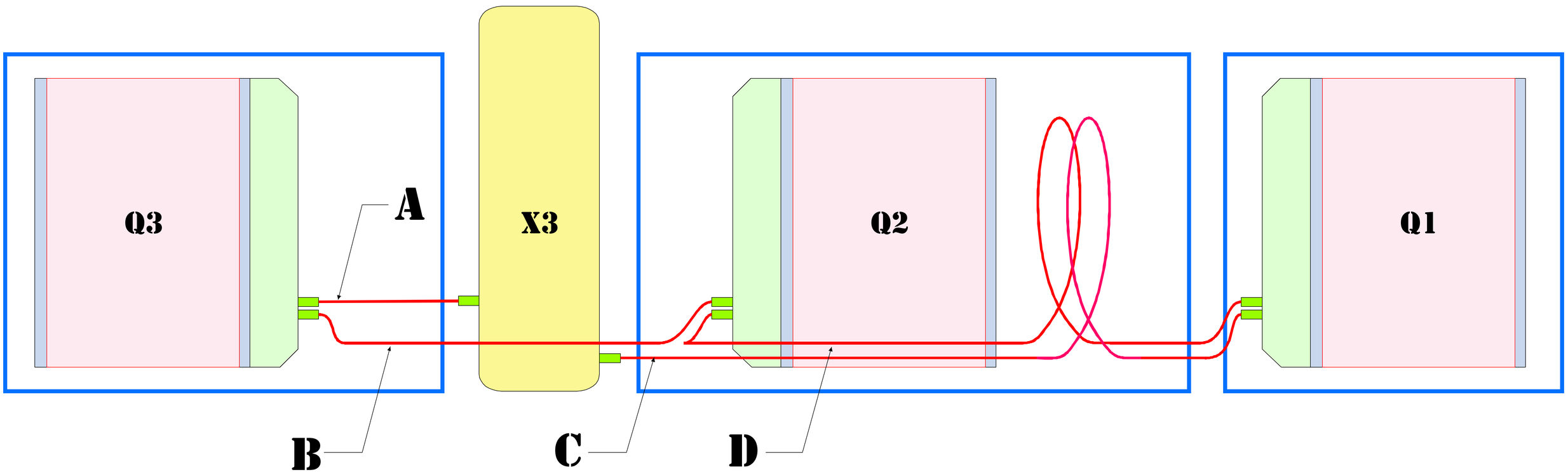
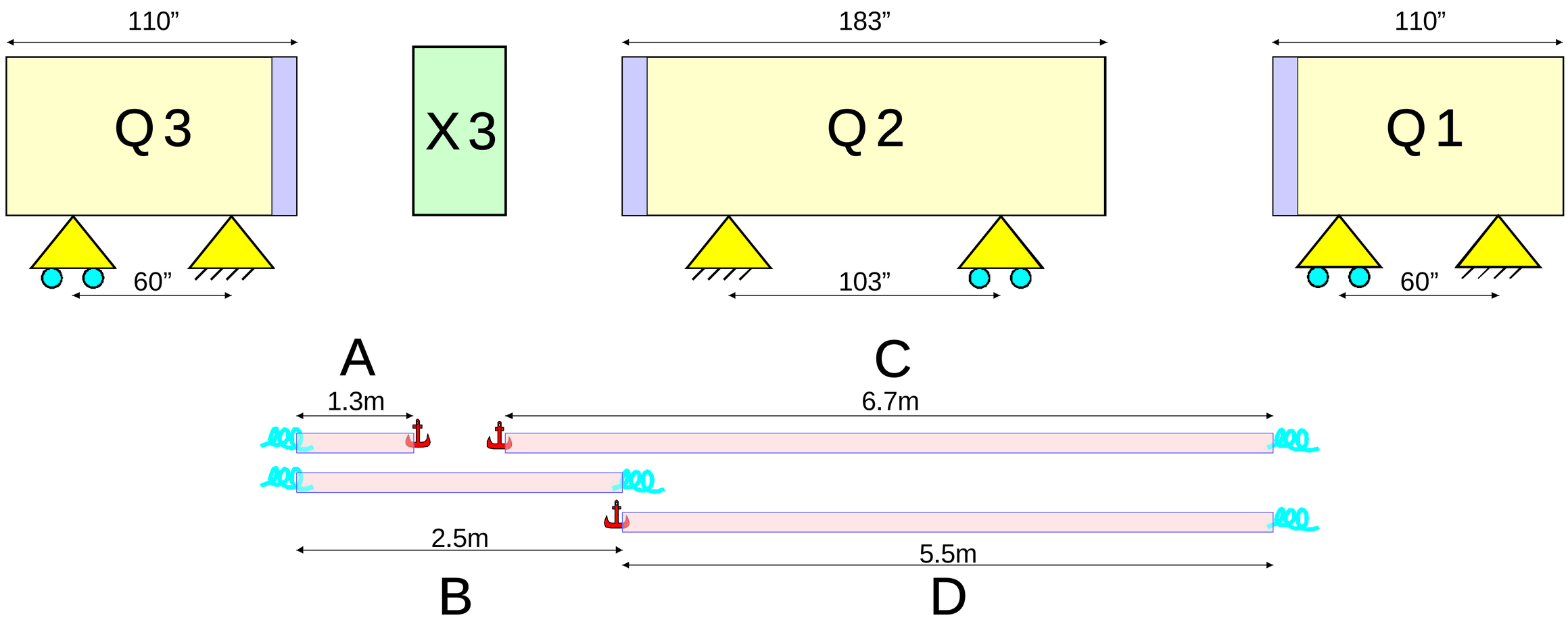
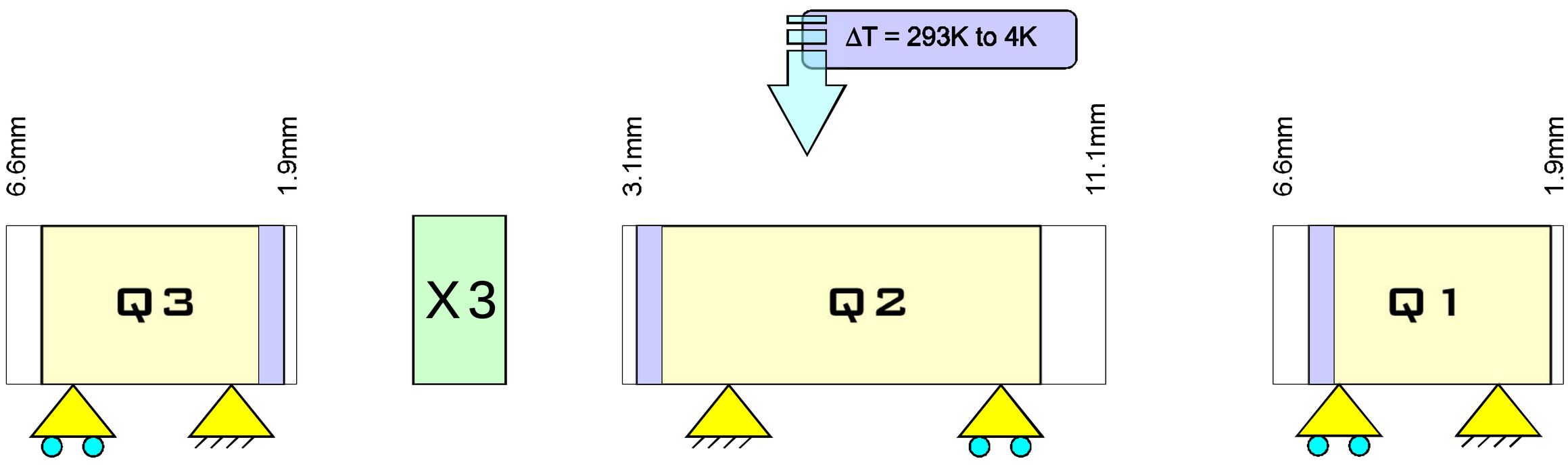
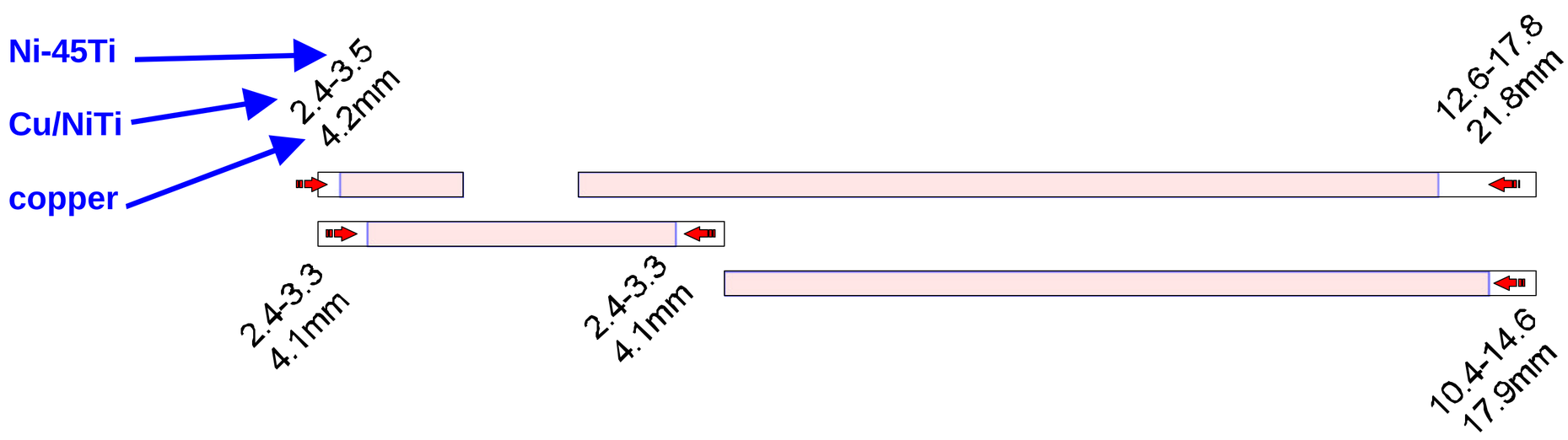
# Triplet Bus Layout

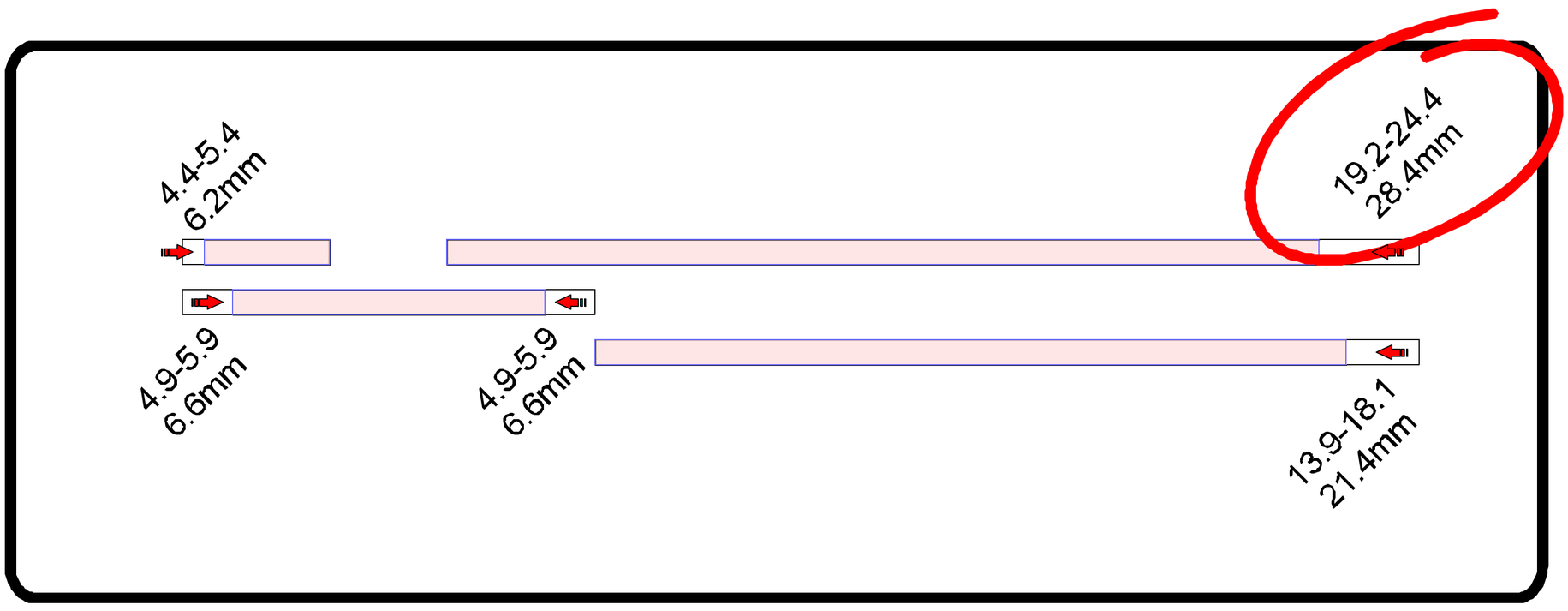


# Magnets cold - Bus Cold




## Total cables yielding

Magnet cold mass (stainless steel CTE)

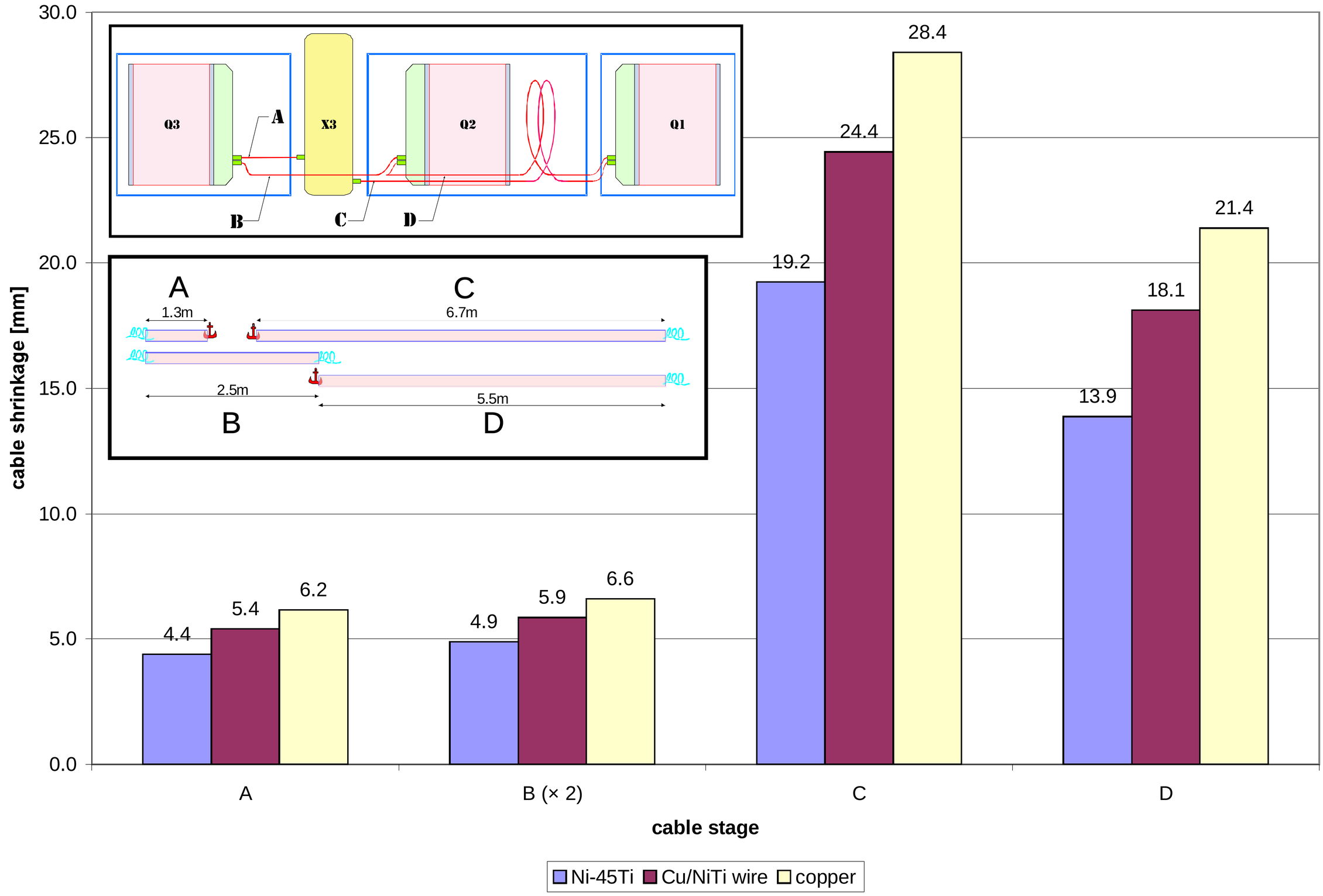
Cable lead (copper CTE)

Lead end (Splice block)

Cable lead “yielding” anchor point (splice block loop)

Cable lead FIXED anchor point

The three numerical values in the cable diagrams correspond, respectively, to the following wire materials: Ni-45Ti, Cu/NiTi, copper


30.0
25.0
20.0
15.0
10.0
5.0
0.0
cable shrinkage [mm]
Q3
X3
Q2
Q1
A
B
C
D
1.3m
6.7m
2.5m
5.5m
4.4
5.4
6.2
4.9
5.9
6.6
19.2
24.4
28.4
13.9
18.1
21.4
A
B (× 2)
C
D
cable stage
Ni-45Ti
Cu/NiTi wire
copper