Copper Wire and Cable Minimum Bend Radius

Outside Plant Copper-Conductor Cable
The recommended minimum bending radii for installation of outside plant copper cables are:

- Cable diameter $\times$ 12 for single shield tape designs
  Examples: SEALPIC®, CUPIC®, GOPIC®, ANxA, BxxA, BxxG types
- Cable diameter $\times$ 15 for dual shield tape designs
  Examples: CASPIC®, ANxW, KxxH, BxxH types
- Cable diameter $\times$ 10 for designs without shields
  Examples: SANS PIC® types
- Cable diameter $\times$ 15 for designs with flat shields bonded to the cable jacket
  Examples: CELFIL, Canadian ALPETH, SEALPAP

Premises Copper-Conductor Cable
The recommended minimum bending radii for installation of premises (indoor) copper cables are:

- Cable diameter $\times$ 4 for horizontal cable without shield (small pair count: $\leq$ 6-pair)
- Cable diameter $\times$ 8 for horizontal cable with shield (small pair count: $\leq$ 6-pair)
- Cable diameter $\times$ 10 for backbone cable without shield (larger pair count: $> 6$-pair)
- Cable diameter $\times$ 12 for backbone cable with shield (Riser cable - type ARxM)