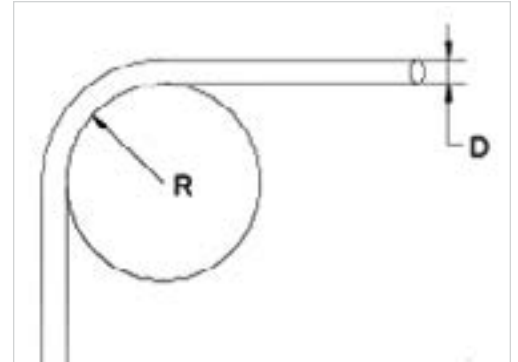


## Copper Wire and Cable Minimum Bend Radius

### Outside Plant Copper-Conductor Cable

The recommended minimum bending radii for installation of outside plant copper cables are:

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



D = cable diameter and R = bend radius

### Premises Copper-Conductor Cable

The recommended minimum bending radii for installation of premises (indoor) copper cables are:

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