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Permissible Minimum Bending Radius per DIN VDW Specifications

The indicated values for bending radius stated in the following table are not permitted to fall below the value. For non-compliance of the values a short longevity is to be expected.

Permissible minimum bending radius for power cables according to DIN VDE 0298 – part 3 - Nominal voltage 0.6/1 kV

● Cables for fixed installation

Method of laying	Outer Ø of cables or thickness of flat cable in mm (D)			
	Up to 10 mm	> 10 to 25 mm	> 25 mm	
- For permanent laying	4 x D	4 x D	4 x D	
- To form out	1 x D	2 x D	3 x D	
● for flexible cables	Up to 8 mm	> 8 bis 12 mm	> 12 to 20 mm	> 20 mm
- for fixed installation	3 x D	3 x D	4 x D	4 x D
- for free movement	3 x D	4 x D	5 x D	5 x D
- to the inlet	3 x D	4 x D	5 x D	5 x D
- for forced guiding operation (such as trailing)	5 x D	5 x D	5 x D	6 x D
- operation for trolley cable	3 x D	4 x D	5 x D	5 x D
- operation in power drag chain	4 x D	4 x D	5 x D	5 x D
- operation for return sheave	7.5 x D	7.5 x D	7.5 x D	7.5 x D

D = outer Ø of cables or thickness of flat cable