Wiring cables for telecommunication

Laying guidelines

Telecommunication and signalization cables for indoor use according to or referring to VDE 0815 are suitable for installation in dry and wet rooms as well as in or under plaster. The following issues must be considered:

- protection against mechanical damage
- protection against chemical and thermic influence
- the cables are not permitted for use in power circuits

The maximum permitted pulling force during installation is $P = \sigma \cdot A$, where is $\sigma = 50$ N/mm2 and A the sum of the cross-section of all copper conductors. A good transmission of the pulling force to the cable core must be ensured.

The bending radius is 7.5 x DA bzw. 2.5 x DA for singular bending (forming) without tension stress. Special attention should be paid to the fact, that cables must not be pulled about sharp edges.

The minimum installation temperature for the cables is -5 °C.