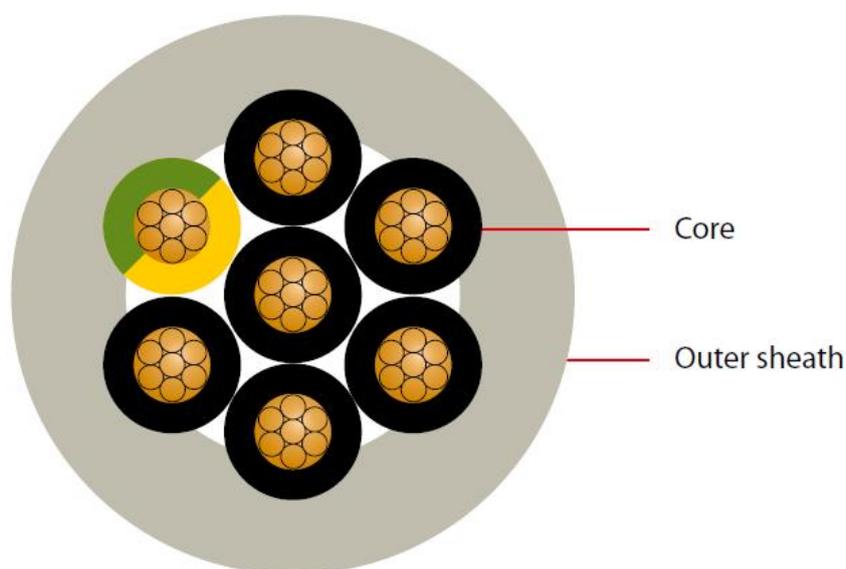


Tech Sheet

PF – Powerflex Cable



Dimension	Sheath thickness approx. mm	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
18 x 1.5	1,3	14,7	399	259
25 x 1.5	1,5	16,9	544	360

APPLICATION

Plant manufacturing, power stations, data processing systems and others. Mainly for installation in dry, moist/wet rooms, especially in industrial environments, for average mechanical loads. No direct underground or water installation possible. For free, not constantly recurring movement, without tensile load or forced guidance, as well as for fixed installation. Resistant to UV radiation, acid, alkali and specific oils.



CONSTRUCTION

Conductor: copper strand, bare, fine-wired acc. to VDE 0295 class 5

Core insulation: special PVC insulation

Core identification: black with white numbers;

JZ: one core green-yellow in outer layer

Core stranding: cores twisted to layers

Outer sheath: special PVC-based compound;

Colour: silver-grey RAL 7001

ELECTRICAL CHARACTERISTICS

Insulation resistance min. 20 M Ω x km

Nominal voltage U0 / U 300/500 V

Test voltage 4000 V

THERMAL & MECHANICAL PROPERTIES

Temperature range during installation 0°C to +70°C

Temperature range stationary -40°C to +80°C

Bending radius during installation min. 15 x Diameter

Bending radius stationary min. 4 x diameter

Subject to changes due to technical progress and error

Change log

Date of change	Change	Version
19-09-2019	New document	001