

PENDANTFLEX

PVC Pendant control cable with 2 x steel strainers



Application

Pendantflex is a pendant control cable specially designed for use on hoist and crane systems. The two steel load bearing elements can be detached without damaging the outer sheath and fixed independently from the cable gland. The cable offers high flexibility at lower temperatures due to the quality of material used in the construction.

Construction

Conductor :	Fine stranded plain copper according to IEC 228 Class6
Insulation:	XLPE
Core colour :	Black with white numbers without green/yellow earth (also available with g/y on request)
Core Arrangement :	Cores laid up in concentric layers and textile wrapped
Sheath :	Special PVC compound
Suspension wires :	Galvanised steel wire ropes both sides
Sheath colour :	Black
Imprint :	SIMBAL PENDANTFLEX

Working Environment

Maximum operating temperature in fixed application :	-40 deg C - + 70 deg C
Maximum operating temperature in mobile application :	-25 deg C - + 70 deg C
Maximum temperature at conductor - (in service) :	+90 deg C
(under short circuit) :	+250 deg C
Environment :	suitable for use in dry & humid areas

Electrical properties

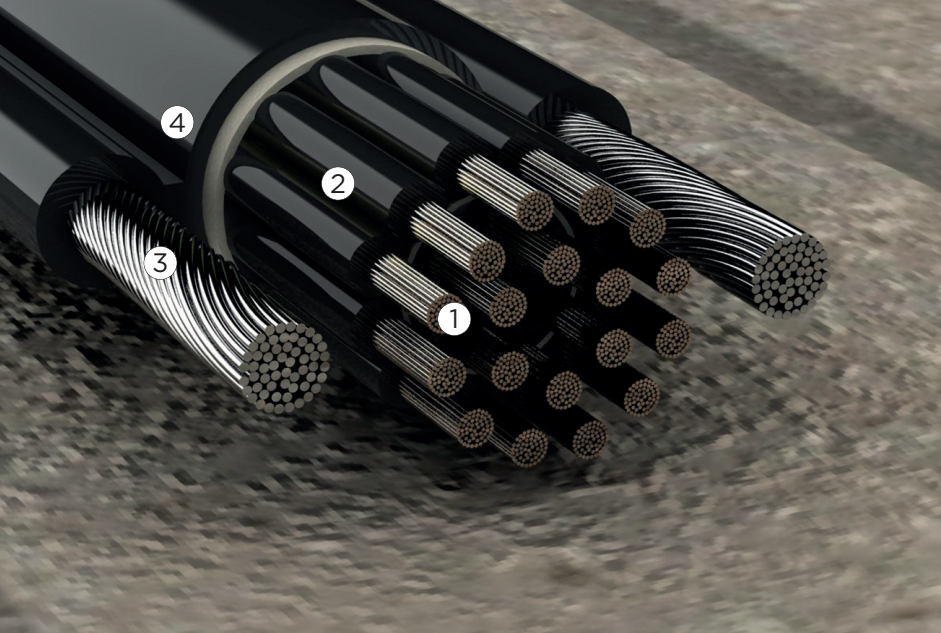
Nominal voltage :	300/500 V
Test Voltage :	2000 V
Current carrying capacity :	Acc. to DIN VDE 0298-4
Conductor resistance :	In accordance with IEC 228 class 6
Insulation resistance :	> 20 MOhms x km

Additional information

Minimum bending radius :	Fixed application - 10 x D Mobile application - 20 x D
Maximum suspended height:	80 meters
Max tensile load on conductor :	15 N/mm ²
Tensile strength :	2100N each carrier element
Oil resistance :	According to DIN VDE 0473 part 811-2-1 & HD/EN/IEC 60811-2-1
Flame resistance :	According to VDE 0482 pt IEC 332-1-2 resp. IEC 60332-1-2

Applied Standards

Similar to IEC 227



- ① Copper conductor
- ② XLPE Insulation
- ③ Steel carrier elements
- ④ PVC Outer sheath

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