

SEAFLEX PUR™ PWR

0.6/1 kV Highly flexible
Approved for 200m depth
UV-resistant and HFFH
Tinned conductors

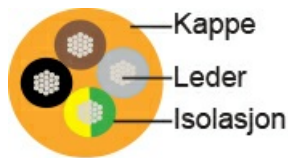
Application

SEAFLEX PUR™ PWR is a very durable and strong cage and marine cable for use in extreme environmental conditions. The cable has stranded tinned conductors that prevent corrosion. The cable provides good flexibility at low temperatures down to -40°C. It has good resistance to UV, ozone, oils, grease and water, can lie permanently in salt water down to 200m. SEAFLEX PUR™ PWR is stronger than many other variants on the market and are well suited for use in seafarms, industry, forestry, wharves, etc. NEK stockist also practical cable grips made of Kevlar or cable grips made of acid-resistant steel for secure end attachment.



Construction

| | |
|------------------|---|
| Conductor | Flexible tinned Cu class 5 (IEC 60228) |
| Insulation | Crosslinked EPR, HEPR type E17 (IEC 60501-2) |
| Colour code | ≤ 5 cores, acc.to HD308 S2 ≥ 6 cores, black no.mark + green/yellow |
| Moisture barrier | Tape |
| Jacket | Waterproof polyurethane, type TPU (IEC 60501-2) |



Specifications

| | |
|------------------------------|----------------------|
| Operating temperature normal | -55 – +90 [°C] fixed |
| Max. conductor temp. | 90 [°C] |
| Temperature flexible | -40 – +80 [°C] |
| Operating voltage | 0,6/1 [kV] |
| Test Voltage | 3,5 [kV] |
| Insulation resistance | 100 [MΩ x km] |
| Min. bending radius | 6 [x outer diam] |

Norms

| | |
|--|----------------------------|
| Halogenfree, max content corrosive and toxic gases | IEC 60754-1 EN 50267-2-1 |
| Design and testing standards | EN 50363-2-1, EN 5063-10-1 |
| Flame retardant | IEC 60332-1-2 |
| Ozone resistant | HD 22.2 |
| Smoke emission | IEC 60754-2 EN 50267-2-2 |
| Oil and fuel resistant | IEC 60811-2-1 , HD 505-2-1 |



| Core [mm ²] | O.D. [mm] | Weight [kg/km] | P-no. |
|-------------------------|------------|----------------|---------|
| 3 G 2.5 | 11,50 ± 5% | 175 | 1053304 |
| 5 G 6 | 19,8 ± 5% | 605 | 1053314 |
| 5 G 10 | 25,3 ± 5% | 965 | 1053315 |
| 5 G 16 | 28,4 ± 5% | 1365 | 1053323 |
| 5 G 25 | 35.20 ± 5% | 2075 | 1053325 |
| 5 G 35 | 38.0 ± 5% | 2655 | 1053337 |