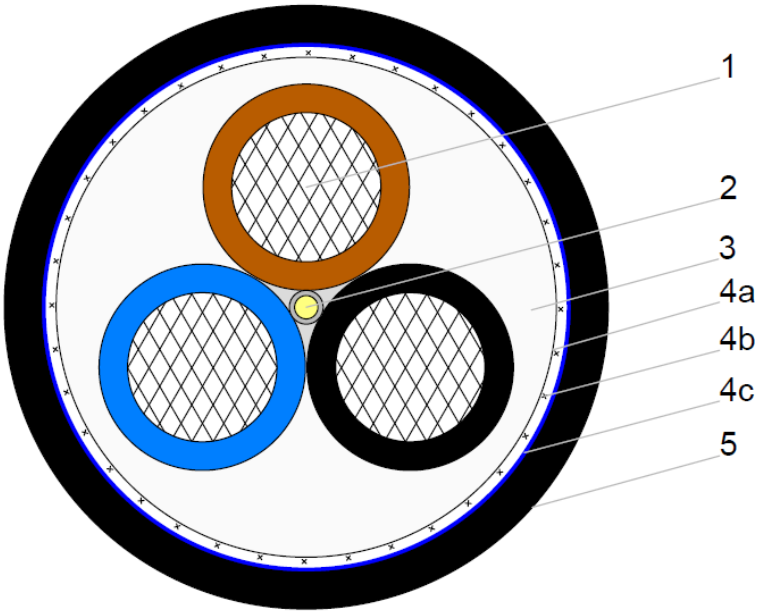
CURRENT CABLE	Technical Data Sheet	Article number 3403095

Current Cable underwater cable
PUR-EMC 3 x 95
0.6/1 (U_{bmax} 1.2) kV



Standards:
DIN VDE 0250-812, DIN VDE 0207-20/21, DIN VDE 0298-3/4, IEC 60228

Main cores (1) Conductor: tinned copper wires, flexible stranded, acc. to IEC 60228 class 5,
Insulation: EPR compound, type 3GI3 acc. to DIN VDE 0207-20,
core colours: brown, black, blue

Stranding Three cores laid-up over rubber center including strain relief element (2)

Inner sheath (3) Synthetic rubber compound, type GM1b acc. to DIN VDE 0207-21, filling the interstices

Screens (4) Electrostatic screen made of aluminium backed polyester tape (4a) and a second screen made of tinned copper wire braid (4b), covering approx. 90 %, water blocking tape (4c)

Outer sheath (5) Thermoplastic polyether based polyurethane acc. to EN 50363-10-2 with improved mechanical characteristics, flame retardant acc. to EN 60332-1-2, oil resistance acc. to EN 60811-404, unrestricted use indoors, outdoors, resistance to moisture, colour: black, inkjet marking

Technical data

Halogen Free and UV resistant to EN50289-4-17 / ISO 4892-2

	3x95
Outer diameter:	52 - 55 mm
Weight approx.:	5170 kg/km
Max. conductor resistance at 20 °C:	0.210 Ω/km
Current-carrying capacity acc. to DIN VDE 0298-4:	301 A
Bending radius acc. to DIN VDE 0298-3:	≥ 4 x cable-ϕ fixed ≥ 5 x cable-ϕ free moving
Max. conductor temperature: Max. conductor temp. under short circuit conditions:	90 °C 200 °C
Permissible temp. on cable surface: - static: - flexible application:	 -40 °C / +80 °C -30 °C / +80 °C
Max. tensile load:	5700 N
El. tests acc. to DIN VDE 0250-812	3 kV AC.
De-rating factors:	DIN VDE 0298-4