

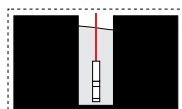
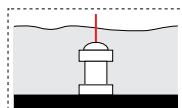
SUBFLAT

Based on HD 22.16



Cable construction

①	Phase Conductors	Conductor material	Tinned copper
		Conductor construction	Class 5 IEC 60228
②	Insulation	Insulation material	EPR compound, EI7 quality according to EN 50363-1
	Cores identification		According to HD 308
③	Outer Sheath	Material	Special rubber compound, EM2 quality according to EN 50363-2-1
		Colour	Black



Applications Tough rubber unscreened 0.6/1kV flat cable for installation inside or outside in dry, damp or wet environments and in hazardous environments (subject to local regulations).

It can be immersed in fresh and salt water to a depth of 100 meters: for flexible power supplies, suitable for submersible motors and pumps. The synthetic rubber compound is ozone, UV, sunlight and weather resistant.

Electrical working data

Nominal rated voltage U_0 / U	kV 0,6/1
Test voltage	kV 4
Max AC voltage	kV 0,7/1,2
Max DC voltage	kV 1,8
Current rating	A See table p. 59

Thermal working data

Maximum short circuit temperature	°C 250
Maximum working temp. on the conductor	°C 90
Ambient temperature	°C - 25 to + 50

Mechanical working data

Bending radius*	mm 3 x H (for H ≤ 12 mm) 4 x H (for H > 12 mm)
Maximum tensile load	N/mm ² 15

* (H = height)

Chemical working data

Resistance to oil	According to IEC 60811-2-1
Ozone resistance	According to IEC 60811-2-1
Behaviour in water	HD 22.16 and AC internal test, suitable for immersion in salt and brackish water
Weather resistance	For indoor and outdoor application
Burning behaviour	According to IEC 60332-1-2

Cores x cross section	Conductor Ø	Min height	Max height	Min width	Max width	Approx weight	Max tensile load
Nr x mm ²	mm	mm	mm	mm	mm	kg/km	N
3G4	2,4	7,3	8,3	15,7	16,7	260	180
3G6	2,9	7,7	8,7	17,8	18,8	330	270
3G10	3,8	10,1	11,1	22,8	23,8	560	450
3G16	4,8	12,1	13,6	27,7	28,7	840	720
3G25	6,1	14,2	15,7	32,6	33,6	1220	1125
3G35	7,2	16,0	17,5	37,0	38,0	1630	1575
3G50	8,9	18,5	20,0	44,1	45,1	2250	2250
3G70	10,6	20,5	23,0	50,5	52,0	2990	3150
3G95	12,5	23,0	25,5	57,0	58,5	3760	4275
4G4	2,4	8,0	9,0	23,0	24,0	410	240
4G6	2,9	8,5	9,5	24,5	25,5	500	360
4G10	3,8	10,0	11,0	29,5	30,5	740	600
4G16	4,8	12,0	13,5	34,5	36,0	1070	960
4G25	6,1	16,0	17,5	42,3	43,8	1720	1500
4G35	7,2	18,5	20,0	48,5	50,0	2300	2100
4G50	8,9	19,3	20,8	56,7	58,2	2970	3000