HELUPOWER® AQUATIC-750-BLUE

Drinking and salt water cable

TECHNICAL DATA

Special cable in alignment with DIN VDE 0250 / DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -25°C to +50°C fixed -40°C to +80°C
Temperature in water	+60°C
Permissible operating temperature at conductor	+90°C
Nominal voltage	U_0/U 450/750 V
Test voltage	2.5 kV
Minimum bending radius	fixed 5x outer Ø

CABLE STRUCTURE

- Bare copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation: PVC
- Core identification acc. to DIN VDE 0293-308,
  1 core(s): black
  ≤ 5 core(s): colour coded
- Protective conductor: starting with 3 cores,
  G = with protective conductor GN-YE
  x = without protective conductor
- Cores standed with optimal lay length
- Outer sheath of cross-linked special compound
- Sheath colour: blue (RAL 5015)

PROPERTIES

- Specially developed and tested for the absence of microbial growth and the emission of toxic substances.
- Resistant to chlorine up to 0,6 mg/l
- Resistant to salt water up to 6 %

TESTS

- Certifications and approvals:
  DVGW: KTW BWGL
  WRAS
  DM 174
  PZH: Certificate B.BK.60110.1535.2025 NIZP PZH - PIB valid until 27.10.2028

APPLICATION

Useful for average mechanical stresses in continuously submerging pump lines for drinking and utility water, with a maximum immersion depth of 600 m. Useful as a connection cable in processing plants in the food and beverage industry, as well as fishponds and aquariums.

NOTES

- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/ km, approx
11018127	1 x 1	18	4.1	9.6	22.0
11018128	1 x 1.5	16	4.3	14.4	27.0
11018129	1 x 2.5	14	5.4	24.0	44.0
11018130	1 x 4	12	5.8	38.0	59.0
11018131	1 x 6	10	6.8	58.0	83.0
11018132	1 x 10	8	7.8	96.0	127.0
11018133	1 x 16	6	8.7	154.0	185.0
11018134	1 x 25	4	10.3	240.0	277.0
11018135	2 x 1	18	6.8	19.0	55.0
11018136	2 x 1.5	16	7.3	29.0	68.0
11018137	2 x 2.5	14	8.7	48.0	103.0
11018138	2 x 4	12	10.1	77.0	148.0
11018139	2 x 6	10	11.4	115.0	203.0
11018140	2 x 10	8	14.0	192.0	317.0
11018141	2 x 16	6	15.7	307.0	451.0
11018142	2 x 25	4	19.0	480.0	681.0
11018143	3 G 1	18	7.2	29.0	68.0
11018144	3 G 1.5	16	7.7	43.0	84.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/ km, approx
11018145	3 G 2.5	14	9.2	72.0	129.0
11018146	3 G 4	12	10.8	115.0	191.0
11018147	3 G 6	10	12.2	173.0	265.0
11018148	3 G 10	8	15.0	288.0	417.0
11018149	3 G 16	6	16.8	461.0	603.0
11018150	3 G 25	4	20.4	720.0	915.0
11018151	4 G 1	18	7.8	38.0	83.0
11018152	4 G 1.5	16	8.4	58.0	104.0
11018153	4 G 2.5	14	10.1	96.0	161.0
11018154	4 G 4	12	11.9	154.0	241.0
11018155	4 G 6	10	13.4	230.0	335.0
11018156	4 G 10	8	16.6	384.0	530.0
11018157	4 G 16	6	18.6	614.0	771.0
11018158	4 G 25	4	22.8	960.0	1179.0
11020233	4 G 35	2	28.3	1344.0	1710.0
11020231	5 G 1	18	8.5	48.0	102.0
11020234	5 G 1.5	16	10.2	72.0	140.0
11020232	5 G 2.5	14	11.2	120.0	200.0

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