



ARISTONCAVI

## TECHNICAL DATA SHEET

**DRINCABLE® 07 FL**

Date: 18/01/2018

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R&amp;D

N° 10948 - rev.00

**CABLE CONSTRUCTION**

<b>Phase Conductors</b>	
Material	Tinned copper
Construction	Class 5, acc. to IEC/TR 62602
<b>Insulation</b>	
Material	EPR based compound
Property	in compliance with: E16 quality rubber (in compliance to EN 50363-1)
<b>Sheath</b>	
Material	EPR based compound
Property	According (and approved) to: <ul style="list-style-type: none"> <li>✓ ACS</li> <li>✓ WRAS</li> <li>✓ D.M. 174/04</li> </ul>
Colour	Blue

**WORKING DATA****Electrical working data**

Nominal rated voltage $U_0 / U$	V	450/750
Maximum AC voltage	V	540/900
Maximum DC voltage	kV	1,35
Test voltage	kV	2,5

**Thermal working data**

Maximum short circuit temperature	°C	250
Maximum working temperature on the conductor	°C	90
Minimum Ambient temperature: mobile condition	°C	- 25
Minimum Ambient temperature: static condition	°C	- 40

**Mechanical working data**

Maximum tensile load	N/mm <sup>2</sup>	15
Maximum water depth	m	600
Minimum bending radius in static condition	mm	3 x (outer diameter)
Minimum bending radius in mobile condition	mm	5 x (outer diameter)



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**Chemical working data**

Ozone resistance	According to IEC 60811-403
Chemicals resistance	Acid and alkaline solution acc. to IEC 60811-100
Behaviour in water	Water resistance test acc. to EN 50525-2-21 (AD8 condition) and AC internal test, suitable for immersion in sea and brackish water

**FLAT CABLES DIMENSIONS**

Cores x size			Conductor $\varnothing$	Min height	Max height	Min width	Max width	Approx weight
Nr x AWG			mm	mm	mm	mm	mm	kg/km
4	G	12	2,3	8,0	9,0	23,0	24,0	340
4	G	10	2,9	8,5	9,5	24,5	25,5	420
4	G	8	3,6	10,0	11,0	29,5	30,5	620
4	G	6	4,5	12,0	13,0	34,5	35,5	880
4	G	4	5,8	15,8	17,2	42,1	43,5	1430
4	G	2	7,1	18,6	19,4	48,6	49,8	1970
4	G	1	8,5	19,4	20,2	56,8	57,6	2520
4	G	1/0	9,4	19,4	20,2	56,8	57,6	2780