SUBMERSIBLE S

S07RC4N8-F / S1RC4N8-F
Based on CEI EN 50525-2-21



1 **PHASE CONDUCTORS**
MATERIAL: bare copper
CONSTRUCTION: class 5 IEC 60228

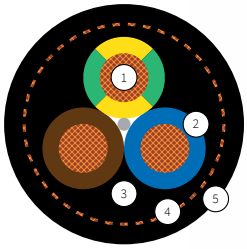
2 **INSULATION**
MATERIAL: EPR compound: EI4 quality (450/750V) acc.to EN 50363-1, 3GI3 quality (0,6/1kV) acc.to VDE 0207 part 20

CORES IDENTIFICATION
According to HD 308

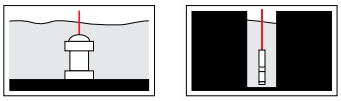
3 **INNER SHEATH**
MATERIAL: rubber compound

4 **SCREEN**
MATERIAL: bare copper braid

5 **OUTER SHEATH**
MATERIAL: water resistant rubber compound, EM2 quality acc.to EN 50363-2-1
COLOUR: black



APPLICATION



Tough rubber screened 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	V - kV	450/750 - 0,6/1
Test voltage	kV	2,5/4
Max AC voltage	V - kV	540/900 - 0,7/1,2
Max DC voltage	kV	1,35 - 1,8
Current rating	A	See table p. 63

THERMAL WORKING DATA

Maximum short circuit temperature	°C	250
Maximum working temp. on the conductor	°C	90
Minimum ambient temperature	°C	Mobile condition: - 25, Static condition: - 40

MECHANICAL WORKING DATA

Maximum water depth	m	100
Bending radius*	mm	14 x D
Maximum tensile load	N/mm²	15

* (D = outer diameter)

CHEMICAL WORKING DATA

Oil resistance	According to IEC 60811-404
Ozone resistance	According to IEC 60811-403
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
UV resistance	According to ISO 4892-2
Burning behaviour	According to IEC 60332-1-2

CORES X CROSS SECTION Nr x mm²	CONDUCTOR Ø mm	MIN OVERALL Ø mm	MAX OVERALL Ø mm	APPROX WEIGHT kg/km	MAX TENSILE LOAD N
3G1,5/1,5KON	1,5	12,5	13,1	250	68
3G2,5/2,5KON	1,9	14,3	14,9	330	113
3G4/4KON	2,4	15,8	16,4	420	180
3G6/6KON	2,9	17,8	18,4	570	270
3G10/10KON	3,8	20,8	21,9	830	450
3G16/16KON	4,9	23,7	24,8	1140	720
3x25 + 3x16/3 + KON	6,1	29,6	30,8	1790	1125
3x35 + 3x16/3 + KON	7,2	31,5	32,7	2150	1575
3x50 + 3x25/3 + KON	8,9	37,6	38,8	3070	2250
3x70 + 3x35/3 + KON	10,6	42,3	44,0	4100	3150
3x95 + 3x50/3 + KON	12,3	45,6	47,3	4910	4275
3x120 + 3x70/3 + KON	13,8	51,6	53,4	6350	5400