TERMALE

07BN2-F
Based on CEI EN 50525-2-21

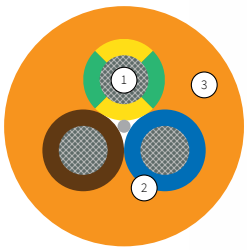


1 **PHASE CONDUCTORS**
MATERIAL: tinned copper
CONSTRUCTION: class 5 IEC 60228

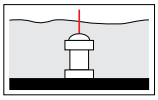
2 **INSULATION**
MATERIAL: EPR compound

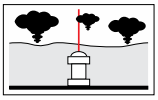
CORES IDENTIFICATION
According to HD 308

3 **OUTER SHEATH**
MATERIAL: chlorinated polyethylene based elastomer
COLOUR: orange



APPLICATION





Specially designed cable for use in high temperature and chemically aggressive and thermal water to 85°C at depth up to 100 meters. For power supplies of pumps. Also recommended for use in construction yards, mining and industry.

ELECTRICAL WORKING DATA

Nominal rated voltage U_0 / U	kV	450/750
Test voltage	kV	2,5
Max AC voltage	kV	540/900
Max DC voltage	kV	1,35
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	Static condition: 4 x D Mobile condition: 6 x D
Maximum tensile load	N/mm^2	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



TERMALE

CORES X CROSS SECTION	CONDUCTOR Ø	MIN OVERALL Ø	MAX OVERALL Ø	APPROX WEIGHT	MAX TENSILE LOAD
Nr x mm²	mm	mm	mm	kg/km	N
1x1,5	1,5	5,9	6,5	55	23
1x2,5	1,9	6,6	7,1	70	38
1x4	2,4	7,4	7,9	90	60
1x6	2,9	8,2	8,8	120	90
1x10	3,8	9,9	10,4	185	150
1x16	4,9	11,1	11,7	255	240
1x25	6,1	13,0	13,6	365	375
1x35	7,2	14,5	15,0	490	525
1x50	8,9	17,0	17,5	670	750
1x70	10,6	19,1	19,7	900	1050
1x95	12,3	22,0	23,1	1190	1425
1x120	14,2	24,1	25,3	1470	1800
1x150	15,5	26,7	27,9	1870	2250
1x185	17	29,3	30,5	2260	2775
1x240	19,5	32,3	33,4	2860	3600
1x300	22,2	39,5	40,7	3510	4500
2x1	1,2	7,8	8,3	85	30
2x1,5	1,5	8,8	9,4	110	45
2x2,5	1,9	10,5	11,1	165	75
2x4	2,4	11,8	12,3	220	120
2x6	2,9	13,4	14,0	290	180
2x10	3,8	18,0	18,6	515	300
2x16	4,9	20,2	21,3	700	480
2x25	6,1	24,0	25,2	1010	750
3G1	1,2	8,5	9,1	105	45
3G1,5	1,5	9,5	10,0	135	68
3G2,5	1,9	11,3	11,9	200	113
3G4	2,4	12,8	13,4	275	180
3G6	2,9	14,4	14,9	365	270
3G10	3,8	19,4	20,0	645	450
3G16	4,9	21,8	22,9	890	720
3G25	6,1	25,8	26,9	1280	1125
3G35	7,2	28,2	29,3	1660	1575
3G50	8,9	33,2	34,4	2290	2250
3G70	10,6	37,2	38,4	3050	3150
3G95	12,3	42,7	44,4	4010	4275
3G120	14,2	46,6	48,4	4930	5400
3G150	15,5	51,8	53,6	6250	6750
3G185	17	57,0	58,8	7580	8325
3G240	19,5	63,8	66,1	9730	10800
3G300	22,2	70,6	73,0	12030	13500

