

TML-R

Cables for submersible pumps



Cable structure

- Stranded bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Separating foil
- EPR core insulation
- Cores color coding
 - 1-core: black
 - 2-core: blue/brown
 - 3-core: green-yellow/blue/brown
 - 4-core: green-yellow/brown/black/grey
 - 5-core: green-yellow/blue/brown/black/grey
- Cores stranded in layers with optimal lay-length
- Sheath of EPR compound, sheath color blue

Technical data

- Special cables according to DIN VDE 0250 a 0282 part 810
- **Temperature range** from -40 °C to +80 °C
- **Nominal voltage** U_0 / U 450/750 V
- **Test voltage a.c.** 2500 V
- **Max. permitted tensile load** 15 N/mm²
- **Minimum bending radius** max. 5× cable diameter

Advantages

- Good insulation properties and min. weight gain under water
- The mechanical stability of the insulation materials remains constant even when submerged

Application

These cables are used as supply and control cables for engines for submersible pumps, underwater lighting, floating switches etc. up to the depth of 100 m and water temperature up to +70 °C. These cables are ideal for outer installations in dry, moist and wet environments but however not suitable for hazardous areas -i- (= intrinsically safe).

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

Flat cable type TML-FL available upon request

Part No.	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737100	1 × 1,5	7,2	14	54
0737101	1 × 2,5	8,0	24	76
0737102	1 × 4	9,0	38	105
0737103	1 × 6	11,0	58	135
0737104	1 × 10	12,4	96	200
0737105	1 × 16	14,4	154	290
0737106	1 × 25	16,5	240	400
0737107	1 × 35	18,3	336	560
0737108	1 × 50	21,1	480	730
0737109	1 × 70	23,5	672	1000
0737110	1 × 95	25,9	912	1250
0737111	1 × 120	28,4	1152	1650
0737112	1 × 150	31,6	1440	2000
0737113	1 × 185	34,5	1776	2460
0737114	1 × 240	38,0	2304	3050
0737115	1 × 300	41,5	2880	3700
0737116	2 × 1,5	11,5	29	130
0737117	2 × 2,5	13,4	48	190
0737118	2 × 4	15,0	77	260
0737119	2 × 6	18,4	115	350
0737120	2 × 10	23,9	192	550
0737121	2 × 16	27,6	307	900
0737122	2 × 25	31,5	480	1300
0737123	3 × 1,5	12,5	43	150
0737124	3 × 2,5	14,5	72	205
0737125	3 × 4	16,0	115	330
0737126	3 × 6	20,0	173	470

Part No.	Number of cores × core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0737127	3 × 10	25,5	288	750
0737128	3 × 16	29,5	461	1110
0737129	3 × 25	34,0	720	1450
0737130	3 × 35	38,0	1008	2150
0737131	3 × 50	44,0	1440	2800
0737132	3 × 70	49,3	2016	3750
0737133	3 × 95	54,0	2736	4590
0737134	3 × 120	59,0	3456	5400
0737135	4 × 1,5	13,4	58	190
0737136	4 × 2,5	15,4	96	270
0737137	4 × 4	17,9	154	380
0737138	4 × 6	22,0	230	520
0737139	4 × 10	28,0	384	955
0737140	4 × 16	31,9	614	1400
0737141	4 × 25	37,6	960	1950
0737142	4 × 35	42,5	1344	2650
0737143	4 × 50	48,5	1920	3600
0737144	4 × 70	54,4	2688	4890
0737145	4 × 95	60,4	3648	6180
0737146	4 × 120	65,4	4608	7200
0737147	5 × 1,5	15,0	72	225
0737148	5 × 2,5	17,1	120	335
0737149	5 × 4	19,4	192	470
0737150	5 × 6	24,4	288	645
0737151	5 × 10	30,5	480	1150
0737152	5 × 16	35,4	768	1690
0737153	5 × 25	41,3	1200	2400