



TML Cable Flat - Type A for Process Water, Type B for Drinking Water



Product application :

As connection cable for submersible electric motors (pumps) for the permanent use in process and drinking water up to a temperature of 70°C.

Product characteristic:

Construction:

- Fine stranded bare copper conductor
- EPR outer sheath
- EPR insulation

Technical:

- Characteristics at 20°C:
- Rated voltage : 600/1000V
- Maximum admissible operating voltage:
- in 1 ph and 3 ph systems : 720 / 1200V
- in D C systems : 1800 V
- conductor resistance to DIN / VDE 0295
- Test voltage 50Hz, 5 min : 2500 V
- Temperature range:
- Maximum admissible conductor
- Temperature in operation 90°C
- Short circuit temperature 250°C
- Fixed : -40°C up to + 80°C
- In motion : -25°C up to + 80°C
- Tensile stress : maximum 15 N each sqmm conductor cross section



Properties:

- Adapted to DIN VDE 0250 and DIN VDE 0282
- Excellent insulation properties in water
- Very low water absorption
- Preservation of the mechanical strength
- BAM* certificate VI.31/10904/01 - confirming the suitability of TML type B in drinking water.

Product specification:

AWG	No. of Cores	Conductor cross section mm ²	Outer Diameter mm x mm	Gross Copper weight kg/km	Gross weight kg / km
16	3	1.5	13 x 7	43	125
14	3	2.5	16 x 8	72	185
12	3	4	19 x 9	115	290
10	3	6	23 x 10	173	400
8	3	10	28 x 12	288	620
6	3	16	31 x 14	461	900
4	3	25	37 x 17	720	1150
2	3	35	38 x 17	1008	1550
1	3	50	45 x 20	1440	2200
2/0	3	70	52 x 22	2016	2900
3/0	3	95	58 x 25	2736	3800
16	4	1.5	17 x 7	58	160
14	4	2.5	20 x 8	96	250
12	4	4	24 x 9	154	340
10	4	6	26 x 10	230	450
8	4	10	31 x 11	384	850
6	4	16	36 x 13	614	1200
4	4	25	45 x 15	960	1600
2	4	35	48 x 17	1344	2100
1	4	50	59 x 20	1920	2900