



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 insulation
- EPR outer sheath

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 |