

Submersible Pump TML Cable Round

Cable Application

Special cable for the permanent use in process water type A - drinking water type B. Adapted to DIN VDE 0250 and DIN VDE 0282. As connection cable for submersible electric motors (pumps) for the permanent use in process and drinking water up to a temperature of 70°C. In addition DIN VDE 0298 T. 300 has to be respected.

- Excellent insulation properties in water
- Very low water absorption
- Preservation of the mechanical strength

Technical Information

Conductor:	Bare copper stranded class 5 to VDE0295
Insulation:	EPR colour coded to VDE0293
Outer Sheath:	EPR - colour blue
Test Voltage 50Hz, 5 min:	2500V
Rated Voltage:	450 - 750V

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 mm ² conductor cross section

No. of cores x cross	Copper Content	Outer Diameter		Net weight kg/km
		Min. value mm	Max. value mm	
1 x 1.5	14.4	5.8	7.2	54
1 x 2.5	24.0	6.4	8.0	76
1 x 4	38.0	7.4	9.0	105
1 x 6	58.0	8.0	11.0	135
1 x 10	96.0	9.8	12.5	200
1 x 16	154.0	11.0	14.5	290
1 x 25	240.0	12.5	16.5	410
1 x 35	336.0	14.0	18.5	560
1 x 50	480.0	16.5	21.0	740
1 x 70	672.0	18.5	23.5	1,000
1 x 95	912.0	21.0	26.0	1,300
1 x 120	1152.0	23.5	28.5	1,650
1 x 150	1440.0	26.0	31.5	2,000
1 x 185	1776.0	27.5	34.5	2,500
1 x 240	2304.0	30.5	38.0	3,100
1 x 300	2880.0	33.5	41.5	3,700

No. of cores x cross	Copper Content	Outer Diameter		Net weight kg/km
		Min. value mm	Max. value mm	
2 x 1.5	29.0	9.0	11.5	130
2 x 2.5	48.0	10.5	13.5	190
2 x 4	77.0	12.0	15.0	260
2 x 6	115.0	13.5	18.5	350
2 x 10	192.0	18.5	24.0	550
2 x 16	307.0	21.0	27.5	900
2 x 25	480.0	25.0	31.5	1300
3 x 1.5	43.0	9.6	12.5	150
3 x 2.5	72.0	11.5	14.5	220
3 x 4	115.0	13.0	16.0	340
3 x 6	173.0	14.5	20.0	480
3 x 10	288.0	20.0	25.5	750
3 x 16	461.0	22.5	29.5	1,100
3 x 25	720.0	26.5	34.0	1,450
3 x 35	1008.0	29.5	38.0	2,100
3 x 50	1440.0	34.5	44.0	2,800

No. of cores x cross	Copper Content	Outer Diameter		Net weight kg/km
		Min. value mm	Max. value mm	
3 x 70	2016.0	39.0	49.5	3,800
3 x 95	2736.0	44.0	54.6	4,600
3 x 120	3456.0	47.5	59.0	5,400
4 x 1.5	58.0	10.5	13.5	190
4 x 2.5	96.0	12.5	15.5	280
4 x 4	154.0	14.5	18.0	390
4 x 6	230.0	16.5	22.0	520
4 x 10	384.0	22.5	24.5	950
4 x 16	614.0	26.5	28.5	1,400
4 x 25	960.0	32.0	34.0	1,950
4 x 35	1344.0	33.0	42.5	2,700

No. of cores x cross	Copper Content	Outer Diameter		Net weight kg/km
		Min. value mm	Max. value mm	
4 x 50	1920.0	38.0	48.5	3,600
4 x 70	2688.0	43.0	54.5	4,900
4 x 95	3648.0	50.0	60.5	6,200
4 x 120	4608.0	53.0	65.5	7,200
5 x 1.5	72.0	11.5	15.0	230
5 x 2.5	120.0	13.5	17.0	340
5 x 4	192.0	16.0	19.5	470
5 x 6	288.0	18.0	24.5	640
5 x 10	480.0	24.0	30.5	1,150
5 x 16	768.0	27.0	35.5	1,700