Datasheet

Submersible pump cable — TML round Typ B 0.6/1 KV

Designation:

Submersible pump cable TML ...x... sqmm type B (application in potable water)

Application:

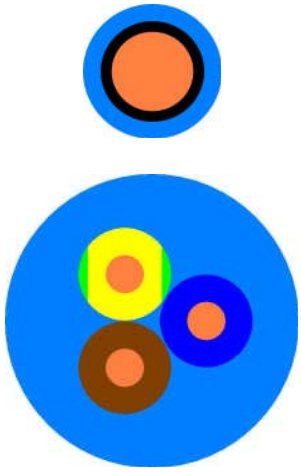
For the permanent use in potable water, connecting electrical apparatus, e.g. submersible pumps up to temperature of 70°C and up to 400 m immersion depth.

Reference standard:

National:		International:
DIN VDE 0250	corresponding parts	
DIN VDE 0282	Teil 1	generally to IEC 60245
DIN VDE 0282	Teil 2	
DIN VDE 0282	Teil 16	IEC 60228
DIN EN 60228		
DIN VDE 0298	Teil 300	
DIN VDE 0472	corresponding parts	
DIN VDE 0473	corresponding parts	IEC 60811 corresponding parts

Construction:

Conductor:	plain annealed copper, flexible class 5 acc. to DIN EN 60228
Separator:	Optional
Insulation:	extruded rubber compound EI6 acc. to DIN VDE 0282 part 1
Colour code:	acc. to DIN VDE 0293-308: 1 core: black 3 core: brown, black, grey (without ground) green/yellow, blue, brown (with ground) 4 core: blue, brown, black, grey (without ground) green/yellow, brown, black, grey (with ground)
Filler element:	central dummy where necessary
Outer sheath:	extruded rubber compound EM6 acc. to DIN VDE 0282 part 1
Colour:	blue
Identification:	Printing: e.g. TML-B 3 x 1,5 sqmm + manufactures identification thread



Application properties:

Temperature rating:	
Conductor temperature:	max. + 90°C in operation max. +250°C short circiut
Temperature range for operation:	-40°C up to +70°C fixed -25°C up to +70°C in motion
Resistance to water:	
Compatibility to potable water:	DIN VDE 0282 part 16 BAM Zertifikat and KTW

Minimum bending radius:

Minimum bending radius

	≤8	≤12	>8
Fixed:	3xD	3xD	4xD
In motion:	3xD	3xD	5xD

D: Height oft he flat cable

Electrical characteristics at 20°C

	Unit										
Conductor size	sqmm	nom.	1.5	2.5	4	6	10	16	25	35	50
Conductor resistance	Ω/km	max.	13.3	7.98	4.95	3.30	1.91	1.21	0.780	0.554	0.386
Test voltage	V	U_{ms}	3000								
Rated voltage	V	U_0/U	600/100								

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