THERM 180 EWKF

Application

These cables are ideal for use everywhere, where increased mechanical stresses for the installation and operation are required. Silicone cables were evolved for use wherever insulation is subjected to extreme temperature changes. They are heat-resistant for permanent temperature up to +180°C, for shorttime operation up to +220°C. The good performance of the environmental resistant properties means that silicone cables can be used at temperatures down to -60°C. Silicone cables are halogen-free cables and are especially suited for installation in power stations. They have also found their uses in the steel producing industries, aviation industry, ship building as well as in ceramic, glass and cement factories. Due to elastical characteristic of core insulations, these are used as flexible connection cable.

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Standards

adapted to DIN VDE 0250 Teil 1 und Teil 502,
DIN EN 50525-2-83 VDE 0285-525-2-83:2012-01
halogenfree acc. to VDE 0482 part 267, DIN EN 50267-2-2,
IEC 60754-2

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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halogenfree acc. to VDE 0482 part 267, DIN EN 50267-2-2,
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Construction

Inner Conductor	tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
Core Insulation	silicone
Core Color	acc. DIN VDE 0293 or HD 308 S2
Stranding Elements	cores stranded in layers with optimalbr>lay-length
Outer Insulation Material	special-silicone rubber, notch resistant
Constant Against	high molecular oils, greases from vegetables and animals, alcohols, plasticizers and clophenes, diluted acids, lyes and salt dissolution, oxidation substances, weathering effects, lake water, oxygen and UV

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Silikonschlauchleitungen
Silikon Cables

Technical Data

Nominal Voltage	U_0/U: 300 /500 V
Nominal Volatage DC	U_0/U: 0 /0
Test Voltage	2000 V
Bending Radius moved (xD)	5
Bending Radius fixed (xD)	4
Operating Temperature solid	-40 °C bis 180 °C
Operating Temperature moving	-40 °C bis 180 °C

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Silikonschlauchleitungen
Silikon Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01214016		2 x 0,75	black - black	57,0	6,4
01214021		2 x 1,0	black - black	60,0	6,8
01214028		2 x 1,5	black - black	82,0	8,0
01214029		2 x 2,5	black - black	135,0	9,0
01214036		2 x 4,0	black - black	180,0	10,8
01214033		3 x 0,75	black - black	66,0	6,9
01214010		3 x 1,0	black - black	78,0	7,2
01214014		3 x 1,5	black - black	127,4	8,4
01214017		3 x 2,5	black - black	152,0	9,8
01214020		3 x 4,0	black - black	230,0	11,5
01214034		4 x 0,75	black - black	84,0	7,6
01214026		4 x 1,0	black - black	95,0	7,9
01214003		4 x 1,5	black - black	127,4	9,4
01214022		4 x 2,5	black - black	197,1	11,1
01214023		4 x 4,0	black - black	300,0	12,6
01214025		4 x 6,0	black - black	430,0	14,7
01214032		5 x 0,75	black - black	101,0	8,5
01214027		5 x 1,0	black - black	116,0	8,8
01214015	J	5 x 1,5	black - black	148,0	10,2
01214013	J	5 x 2,5	black - black	240,0	12,2
01214024		5 x 4,0	black - black	380,0	14,0
01214039		5 x 6,0	black - black	550,0	16,6
01214030	J	7 x 1,5	black - black	187,0	10,8
01214018	J	12 x 1,5	black - black	315,0	14,1

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Silikon Cables

Prod. Nr. Prod. Nr.	Option Option	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01214035	J	16 x 1,5	black - black	446,0	16,2
01214012	J	20 x 1,5	black - black	566,0	17,9

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