THERM 180 EWKF-C



Application

These cables are ideal for use everywhere, where increased mechanical stresses
for the installation and operation are required. Silicone-rubber-insulated cables are
used for all applications where the cable insulation is subjected to high
temperature fluctuations. Suitable for installation at high temperature influence in
dry, damp and in the open air. As flexible connecting cable for low mechanical
stress i.e. sauna, solar installations, foundries and steel plants. This cable can be
used for fixed installation only in open and ventilated cable tubes and cable ducts.
An interference-free transmission of signals and pulse is assured by the high
screening density. The ideal interference-protected silicone multicore flexible cable
for such applications as given above.

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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Silikonschlauchleitungen
Silikon Cables

Construction

Inner Conductor	tinned copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5
Core Insulation	silicone-rubber
Core Color	acc. HD 308 S2
Stranding Elements	cores stranded in layers with optimal laylength
Inner Sheath Material	silicone-rubber
Overall Shielding	tinned copper braided screaning
Outer Insulation Material	special-silicone rubber, notch resistant, black
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 and oxygen.

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)	6
Bending Radius fixed (xD)	5
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.	Dimensions Dimensions	Color Color	Weight (kg/km) approx. Weight (kg/km) approx.	Outer-Diameter (mm) approx. Outer-Diameter (mm) approx.
01245012	2 x 0,75	black - black	124,0	8,6
01245006	2 x 1	black - black	132,0	9,0
01245015	2 x 1,5	black - black	170,0	10,8
01245022	2 x 4,0	black - black	308,0	14,3
01245010	3 x 0,75	black - black	136,0	8,9
01245003	3 x 1	black - black	154,0	9,7
01245002	3 x 1,5	black - black	190,0	11,2
01245026	3 x 6,0	black - black	612,0	16,4
01245013	4 x 0,75	black - black	160,0	10,2
01245014	4 x 1	black - black	176,0	10,9
01245007	4 x 1,5	black - black	231,0	12,0
01245004	4 x 2,5	black - black	340,0	13,9
01245001	4 x 4,0	black - black	448,0	16,0
01245011	5 x 0,75	black - black	180,0	10,9
01245008	5 x 1	black - black	207,0	11,6
01245009	5 x 1,5	black - black	282,0	12,8
01245021	5 x 2,5	black - black	395,0	14,8
01245005	7 x 1,5	black - black	342,0	13,6
01245016	12 x 1,5	black - black	531,0	17,3
01245018	20 x 1,5	black - black	766,0	21,4

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