Europe-wide standardized silicone connection cables with increased mechanical performance

Product Description

Europe-wide use due to harmonisation;Notch and tear resistant silicone compounds reducing damages due to mechanical stress;In harsh applications longer durability than conventional H05SS-F standardized cables;Good flexibility ease the installation where space is limited;Possess still insulating properties after combustion due to remaining SiO2 ash on the conductor

CE HAR RoHS

Application range

- Areas with high ambient temperatures and additionally high mechanical stress
- Typical fields of application - Steel-, cement-, ceramic and iron works - Bakery equipment and industrial furnaces - Electric motor industry - Sauna/solarium construction - Thermal and heating elements - Lighting technology - Ventilator engineering - Air conditioning technology - Galvanization technology - Polymer processing - Generator and transformer building - Wind turbine engineering

Benefits

- Europe-wide use due to harmonisation
- Notch and tear resistant silicone compounds reducing damages due to mechanical stress
- In harsh applications longer durability than conventional H05SS-F standardized cables
- Good flexibility ease the installation where space is limited
- Possess still insulating properties after combustion due to remaining SiO2 ash on the conductor

Design

- Fine strands of tinned copper wires
- Core insulation based on EWKF silicone
- Cores twisted together
- Notch resistant silicone based EWKF outer sheath, colour black (RAL 9005)

Approvals (Norm references)

- HD 22.15 S2 (H05SS-F)

Product features

- Halogen-free and flame retardant (IEC 60332-1-2)
- Reduced smoke density
- Good hydrolysis and UV resistance
- Resistant against a multitude of oils, alcohols, vegetable and animal fats and chemical media
- EWKF Formula: Increased initial tear propagation and notch resistance

Technical Data

Core identification code
Colour coded according to VDE 0293-308, see Appendix T9
Approvals
HD 22.15 S2 (H05SS-F)
Specific insulation resistance
>200 GOhm x cm
Conductor stranding
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Minimum bending radius
Occasional flexing: 15 x cable diameter
Fixed installation: 4 x cable diameter

Rated voltage
U0/U 300/500 V
Test voltage
2000 V
Protective conductor
G = with protective conductor GN/YE
X = without protective conductor
Range of temperature
-50 °C up to +180 °C (adequate ventilation provided)

Article List

Part number	Number of cores and mm² per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® HEAT 180 H05SS-F EWKF				
0046900	2 X 0,75	6,4	14.4	54
0046901	3 G 0,75	7.0	21.6	67
00469023	4 G 0,75	7,6	28.8	87
00469033	5 G 0,75	8,5	36.0	105
0046904	2 X 1	6,8	19.2	63
0046905	3 G 1	7,2	28.8	81
00469063	4 G 1	7,9	38.4	98
00469073	5 G 1	8,8	48.0	121

0046908	2 X 1,5	8,4	28.8	84
0046909	3 G 1,5	8,9	43.2	103
00469103	4 G 1,5	9,9	57.6	128
00469113	5 G 1,5	10,9	72.0	154
0046912	2 X 2,5	9,8	48.0	141
0046913	3 G 2,5	10,4	72.0	158
00469143	4 G 2,5	11,6	96.0	195
00469153	5 G 2,5	12,9	120.0	241
0046916	3 G 4	12,3	115.2	239
00469173	4 G 4	13,7	153.6	312
0046919	3 G 6	14.0	172.8	345
00469203	4 G 6	15,6	230.4	451

Footnote:

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Photographs are not to scale and do not represent detailed images of the respective products.