



USE OF CABLE

harmonized heat and coldness resistant power, control and connecting cable in electrical facilities, for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry, humid and wet rooms and outdoor use, no laying underground.



SPECIAL FEATURES

- approved for conductor temperature class "H" up to +180 °C
- no flame conduction in case of fire, insulation integrity and low smoke density
- silicone is resistant to ozone, oxygen, sea water and weather-proofed
- hydrolisis and UV-resistant / HAR approval for Europe
- EWKF-version: initial tear, tear growth & notch resistant
- above +100 °C and with exclusion of air, the mechanical properties of silicone cables will be reduced early, adequate ventilation should be ensured

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Copper strand tinned
Conductor class:	Acc. to IEC 60228 cl. 5
Core insulation:	Silicone resp. silicone EWKF based
Core identification:	Acc. to DIN VDE 0293-308 coloured cores
Stranding:	Stranded in layers
Outer sheath:	Silicone resp. silicone EWKF-based
Sheath colour:	Black
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	2 kV
Conductor resistance:	At +20 °C acc. to IEC 60228 cl. 5
Insulation resistance:	Min. 2,0 GΩ x km
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guidelines
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-50 °C / +180 °C (with adequate aeration)
Halogen free:	Halogen-free acc. to IEC 60754-1
Corrodibility:	Acc. to IEC 60754-2
Burning behavior:	Self-extinguishing and flame-retardant acc. to IEC 60332-1-2
Approvals:	EN 50525-2-83 (H05SS-F)

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2500293	2 X 0,75	6,4	14,40	54,00	black	V1: H05SS-F - schwarz / black
2500739	3 G 0,75	7,0	21,60	67,00	black	V1: H05SS-F - schwarz / black
2550029	4 G 0,75	7,6	28,80	87,00	black	V1: H05SS-F - schwarz / black
2500742	5 G 0,75	8,5	36,00	105,00	black	V1: H05SS-F - schwarz / black
2500734	2 X 1	6,8	19,20	63,00	black	V1: H05SS-F - schwarz / black
2500678	3 G 1	7,2	28,80	81,00	black	V1: H05SS-F - schwarz / black
2500744	4 G 1	7,9	38,40	98,00	black	V1: H05SS-F - schwarz / black
2500745	5 G 1	8,8	48,00	121,00	black	V1: H05SS-F - schwarz / black
2500735	2 X 1,5	8,4	28,80	84,00	black	V1: H05SS-F - schwarz / black
2500043	3 G 1,5	8,9	43,20	103,00	black	V1: H05SS-F - schwarz / black
2501308	4 G 1,5	9,9	57,60	128,00	black	V1: H05SS-F - schwarz / black

H05SS-F / H05SS-F EWKF

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
2500539	5 G 1,5	10,9	72,00	154,00	black	V1: H05SS-F - schwarz / black
2500738	2 X 2,5	9,8	48,00	141,00	black	V1: H05SS-F - schwarz / black
2502434	3 G 2,5	10,4	72,00	154,00	black	V1: H05SS-F - schwarz / black
2501234	4 G 2,5	11,6	96,00	195,00	black	V1: H05SS-F - schwarz / black
2500748	5 G 2,5	12,9	120,00	241,00	black	V1: H05SS-F - schwarz / black
2500749	3 G 4	12,3	115,20	239,00	black	V1: H05SS-F - schwarz / black
2501290	4 G 4	13,7	153,60	312,00	black	V1: H05SS-F - schwarz / black
2500751	3 G 6	14,0	172,80	345,00	black	V1: H05SS-F - schwarz / black
2500754	4 G 6	15,6	230,40	451,00	black	V1: H05SS-F - schwarz / black
2500732	2 X 0,75	6,4	14,40	54,00	black	V2: H05SS-F EWKF schwarz/black
2500042	3 G 0,75	7,0	21,60	67,00	black	V2: H05SS-F EWKF schwarz/black
2500740	4 G 0,75	7,6	28,80	87,00	black	V2: H05SS-F EWKF schwarz/black
2500741	5 G 0,75	8,5	36,00	105,00	black	V2: H05SS-F EWKF schwarz/black
2500733	2 X 1	6,8	19,20	63,00	black	V2: H05SS-F EWKF schwarz/black
2500743	3 G 1	7,2	28,80	81,00	black	V2: H05SS-F EWKF schwarz/black
2500574	4 G 1	7,9	38,40	98,00	black	V2: H05SS-F EWKF schwarz/black
2500746	5 G 1	8,8	48,00	121,00	black	V2: H05SS-F EWKF schwarz/black
2500736	2 X 1,5	8,4	28,80	84,00	black	V2: H05SS-F EWKF schwarz/black
2501327	3 G 1,5	8,9	43,20	103,00	black	V2: H05SS-F EWKF schwarz/black
2500046	4 G 1,5	9,9	57,60	128,00	black	V2: H05SS-F EWKF schwarz/black
2500747	5 G 1,5	10,9	72,00	154,00	black	V2: H05SS-F EWKF schwarz/black
2500737	2 X 2,5	9,8	48,00	141,00	black	V2: H05SS-F EWKF schwarz/black
2500044	3 G 2,5	10,4	72,00	154,00	black	V2: H05SS-F EWKF schwarz/black
2500047	4 G 2,5	11,6	96,00	195,00	black	V2: H05SS-F EWKF schwarz/black
2500048	5 G 2,5	12,9	120,00	241,00	black	V2: H05SS-F EWKF schwarz/black
2500045	3 G 4	12,3	115,20	239,00	black	V2: H05SS-F EWKF schwarz/black
2500750	4 G 4	13,7	153,60	312,00	black	V2: H05SS-F EWKF schwarz/black
2500752	3 G 6	14,0	172,80	345,00	black	V2: H05SS-F EWKF schwarz/black
2500753	4 G 6	15,6	230,40	451,00	black	V2: H05SS-F EWKF schwarz/black