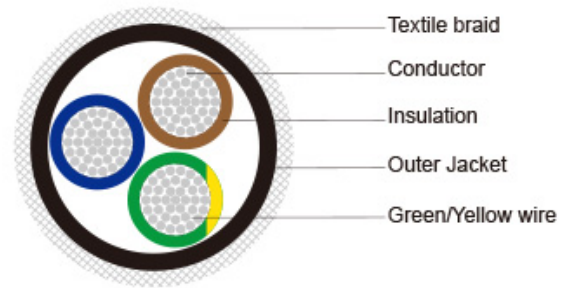


Harmonized Code Industrial Cables H05SS-F/H05SST-F

**Application and Description**

These cables are special 180 Degree C., harmonized, heavy-duty, tear-resistant black silicone multi-core cable for use in high and low temperature areas or where UV light can be damaging. The harmonization approval on these cables makes them ideal for export to or use in European countries and markets.

These cables are mainly found in steel mills, foundries, glass factories, baking equipment, burners, heating and lighting systems. The cables have improved characteristics against mechanical stress and are ideal for permanent mechanically protected cable for lighting in industrial applications.

The silicone jacket provides added heat-resistance, chemical, oil and acidic resistance. Not permitted for outdoor use.

Standard and Approval

HD 22.15 S1

VDE-0282 Part 15

VDE-0250 Part-816 (N2MH2G)

CE low voltage directive 72/23/EEC & 93/68/EEC

ROHS compliant

Cable Construction

1. Fine tinned copper strands

Strands to VDE-0295 Class-5, IEC 60228 CI-5

2. Cross-linked silicone (EI 2) core insulation

Color coded to VDE-0293-308

Cross-linked silicone (EM 9) outer jacket - black

Overall polyester fiber braid(only for H05SST-F)

Technical Characteristics

WORKING VOLTAGE: 300/500V

TEST VOLTAGE: 2000V

FLEXING BENDING RADIUS: $7.5 \times \varnothing$

STATIC BENDING RADIUS: $4 \times \varnothing$

TEMPERATURE RANGE: -60 °C to +180 °C

SHORT CIRCUIT TEMPERATURE: +220 °C

FLAME RETARDANT: IEC 60332 -1

INSULATION RESISTANCE: 200 MΩ x km

HALOGEN-FREE: IEC 60754-1

LOW SMOKE: IEC 60754-2

Cable Parameter

AWG	NO. OF CORES X NOMINAL CROSS SECTIONAL AREA	NOMINAL THICKNESS OF INSULATION	NOMINAL THICKNESS OF SHEATH	NOMINAL OVERALL DIAMETER	NOMINAL COPPER WEIGHT	NOMINAL WEIGHT
	# X MM ²	MM	MM	MM	KG/KM	KG/KM
H05SS-F						
18(24/32)	2×0.75	0.6	0.8	6.2	14.4	59.0
18(24/32)	3×0.75	0.6	0.9	6.8	21.6	71.0
18(24/32)	4×0.75	0.6	0.9	7.4	28.8	93.0
18(24/32)	5×0.75	0.6	1.0	8.9	36.0	113.0
17(32/32)	2×1.0	0.6	0.9	6.7	19.2	67.0
17(32/32)	3×1.0	0.6	0.9	7.1	29.0	86.0
17(32/32)	4×1.0	0.6	0.9	7.8	38.4	105.0
17(32/32)	5×1.0	0.6	1.0	8.9	48.0	129.0
16(30/30)	2×1.5	0.8	1.0	7.9	29.0	91.0
16(30/30)	3×1.5	0.8	1.0	8.4	43.0	110.0
16(30/30)	4×1.5	0.8	1.1	9.4	58.0	137.0
16(30/30)	5×1.5	0.8	1.1	11.0	72.0	165.0
14(50/30)	2×2.5	0.9	1.1	9.3	48.0	150.0
14(50/30)	3×2.5	0.9	1.1	9.9	72.0	170.0
14(50/30)	4×2.5	0.9	1.1	11.0	96.0	211.0
14(50/30)	5×2.5	0.9	1.1	13.3	120.0	255.0
12(56/28)	3×4.0	1.0	1.2	12.4	115.0	251.0
12(56/28)	4×4.0	1.0	1.3	13.8	154.0	330.0
10(84/28)	3×6.0	1.0	1.4	15.0	173.0	379.0
10(84/28)	4×6.0	1.0	1.5	16.6	230.0	494.0
H05SST-F						
18(24/32)	2×0.75	0.6	0.8	7.2	14.4	63.0
18(24/32)	3×0.75	0.6	0.9	7.8	21.6	75.0
18(24/32)	4×0.75	0.6	0.9	8.4	28.8	99.0
18(24/32)	5×0.75	0.6	1.0	9.9	36.0	120.0
17(32/32)	2×1.0	0.6	0.9	7.7	19.2	71.0
17(32/32)	3×1.0	0.6	0.9	8.1	29.0	91.0
17(32/32)	4×1.0	0.6	0.9	8.8	38.4	111.0
17(32/32)	5×1.0	0.6	1.0	10.4	48.0	137.0
16(30/30)	2×1.5	0.8	1.0	8.9	29.0	97.0
16(30/30)	3×1.5	0.8	1.0	9.4	43.0	117.0

16(30/30)	4×1.5	0.8	1.1	10.4	58.0	145.0
16(30/30)	5×1.5	0.8	1.1	12.0	72.0	175.0
14(50/30)	2×2.5	0.9	1.1	10.3	48.0	159.0
14(50/30)	3×2.5	0.9	1.1	10.9	72.0	180.0
14(50/30)	4×2.5	0.9	1.1	12.0	96.0	224.0
14(50/30)	5×2.5	0.9	1.1	14.3	120.0	270.0
12(56/28)	3×4.0	1.0	1.2	13.4	115.0	266.0
12(56/28)	4×4.0	1.0	1.3	14.8	154.0	350.0
10(84/28)	3×6.0	1.0	1.4	16.0	173.0	402.0
10(84/28)	4×6.0	1.0	1.5	17.6	230.0	524.0