

H05SS-F / H05SST-F heat-resistant multicore cable



Technical data

- Heat-resistant multicore cable to DIN VDE 0285-525-2-83 / DIN EN 50525-2-83
- **Temperature range**
fixed installation -60°C to +180°C (for short time +250°C)
- Permissible **operating temperature** at conductor +180°C
- **Nominal voltage** U₀/U 300/500 V
- **Test voltage** 2000 V
- **Specific volume resistivity**
min. 200 MΩm x km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 20x10⁶ cJ/kg (up to 20 Mrad)

Cable structure

- Tinned copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of cross-linked rubber (SiR) compound type EI2 to DIN VDE 0207-363-1 / DIN EN 50363-1
- Core identification to DIN VDE 0293-308
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay-length
- Outer sheath of cross-linked rubber compound type EM9 to DIN VDE 0207-363-2-1/DIN EN 50363-2-1
- Sheath colour black (RAL 9005) also available in other colours on request

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- Construction as per H05SS-F
- Polyester braiding

Properties

- Advantages Hardly changes of dielectric strength and the insulation resistance also at high temperatures
- These cables may be damaged by pulling over sharp-edges or by abrasion during the installation and application. To avoid this, it should be treated with great care during the installation and application of the cable.

Tests

- Behavior in fire
Test of vertical flame-propagation to VDE 0482-332-1-2, DIN EN 60332-1-2, not valid for the cables with outer polyesterbraiding (Type H05SST-F)

Note

- G = with green-yellow conductor
x = without green-yellow conductor
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Multicore cables insulated and sheathed with heat resistant silicone rubber without strain relieving elements are used in high temperatures or with contact to hot-surfaces. These cables are installed for fixed installation, mechanical protected, for internal wiring of lighting fixtures in industrial application. It is recommended for the application of the apparatus which are moving during the operation with less mechanical stress.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

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Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
22290	2 x 0,75	5,7 - 7,4	14,4	59,0	19
22291	3 G 0,75	6,2 - 8,1	21,6	71,0	19
22292	4 G 0,75	6,8 - 8,8	28,8	93,0	19
22293	5 G 0,75	7,6 - 9,9	36,0	113,0	19
22294	2 x 1	6,1 - 8,0	19,2	67,0	18
22295	3 G 1	6,5 - 8,5	29,0	86,0	18
22296	4 G 1	7,1 - 9,3	38,4	105,0	18
22297	5 G 1	8,0 - 10,3	48,0	129,0	18
22298	2 x 1,5	7,6 - 9,8	29,0	91,0	16
22299	3 G 1,5	8,0 - 10,4	43,0	110,0	16
22300	4 G 1,5	9,0 - 11,6	58,0	137,0	16
22301	5 G 1,5	9,8 - 12,7	72,0	165,0	16
22302	2 x 2,5	9,0 - 11,6	48,0	150,0	14
22303	3 G 2,5	9,6 - 12,4	72,0	170,0	14
22304	4 G 2,5	10,7 - 13,8	96,0	211,0	14
22305	5 G 2,5	11,9 - 15,3	120,0	255,0	14
22306	3 G 4	11,3 - 14,5	115,0	251,0	12
22307	4 G 4	12,7 - 16,2	154,0	330,0	12
22308	3 G 6	12,8 - 16,3	173,0	379,0	10
22309	4 G 6	14,2 - 18,1	230,0	494,0	10

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Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
22343	2 x 0,75	6,7 - 8,4	14,4	63,0	19
22344	3 G 0,75	7,2 - 9,1	21,6	75,0	19
22345	4 G 0,75	7,8 - 9,8	28,8	99,0	19
22346	5 G 0,75	8,6 - 10,9	36,0	120,0	19
22347	2 x 1	7,1 - 9,0	19,2	71,0	18
22348	3 G 1	7,5 - 9,5	29,0	91,0	18
22349	4 G 1	8,1 - 10,3	38,4	111,0	18
22350	5 G 1	9,0 - 11,3	48,0	137,0	18
22351	2 x 1,5	8,6 - 10,8	29,0	97,0	16
22352	3 G 1,5	9,0 - 11,4	43,0	117,0	16
22353	4 G 1,5	10,0 - 12,6	58,0	145,0	16
22354	5 G 1,5	10,8 - 13,7	72,0	175,0	16
22355	2 x 2,5	10,0 - 12,6	48,0	159,0	14
22356	3 G 2,5	10,6 - 13,4	72,0	180,0	14
22357	4 G 2,5	11,7 - 14,8	96,0	224,0	14
22358	5 G 2,5	12,9 - 16,3	120,0	270,0	14
22359	3 G 4	12,3 - 15,5	115,0	266,0	12
22360	4 G 4	13,7 - 17,2	154,0	350,0	12
22361	3 G 6	13,8 - 17,3	173,0	402,0	10
22362	4 G 6	15,2 - 19,1	230,0	524,0	10

Dimensions and specifications may be changed without prior notice. (RE01)