

HH-FLEX-JZ / OZ – Halogen – Free



Application

Environmentally friendly, halogen-free control cable especially for electrical equipment and installations in industrial environments, dry and damp interiors. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance. Outdoor use with UV-protection only, considering the temperature range. Not for direct burial.

Construction

Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5.

Halogen free insulation compound type TI6 according to HD 21.14 S1 annex A.

Black numbered cores with or without green yellow core.

Halogen free jacket compound type TM7 according to HD 21.14 annex B.

Flame-resistant according to IEC 60332.3

Specification

Nominal voltage:	
0,50 to 6mm ²	300/500V
By 10 mm ²	450/750V
Min. bending radius fixed	4 x d
Min. bending radius moved	15 x d
Operat. temp.. fixed min/max	-40°C / +70°C
Operat. temp. moved min/max	-15°C / +70°C
Temp. at conductor	+70°C in operation; +150°C in case of short-circuit
	self-extinguishing and flame-retardant acc. To
	IEC 60-332-3A / F2



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Part number	Dimension n x mm ²	Outer Ø Mm	Copper weight Kg/km	Weight Kg/km	Part number	Dimension n x mm ²	Outer Ø Mm	Copper weight Kg/km	Weight Kg/km
35030204	2 x 0.5 mm ²	4.8	9.6	34.0	35030707	7 x 1.5 mm ²	9.1	100.8	171.0
35030205	2 x 0.75 mm ²	5.2	14.4	42.0	35030708	7 x 2.5 mm ²	11.1	168.0	268.0
35030206	2 x 1 mm ²	5.5	19.2	49.0	35030709	7 x 4 mm ²	13.4	268.8	407.0
35030207	2 x 1.5 mm ²	6.3	28.8	68.0	35030710	7 x 6 mm ²	15.9	403.2	591.0
35030208	2 x 2.5 mm ²	7.7	48.0	105.0	35031204	12 x 0.5 mm ²	9.1	57.6	139.0
35030304	3 x 0.5 mm ²	5.1	14.4	41.0	35031205	12 x 0.75 mm ²	9.9	86.4	177.0
35030305	3 x 0.75 mm ²	5.5	21.6	51.0	35031206	12 x 1 mm ²	10.7	115.2	209.0
35030306	3 x 1 mm ²	6.1	28.8	64.0	35031207	12 x 1.5 mm ²	12.1	172.8	298.0
35030307	3 x 1.5 mm ²	6.7	43.2	84.0	35031208	12 x 2.5 mm ²	15.0	288.0	475.0
35030308	3 x 2.5 mm ²	8.2	72.0	132.0	35031804	18 x 0.5 mm ²	10.8	86.4	199.0
35030309	3 x 4 mm ²	9.7	115.2	194.0	35031805	18 x 0.75 mm ²	12.0	129.6	262.0
35030310	3 x 6 mm ²	11.5	172.8	281.0	35031806	18 x 1 mm ²	12.7	172.8	313.0
35030404	4 x 0.5 mm ²	5.5	19.2	49.0	35031807	18 x 1.5 mm ²	14.4	259.2	433.0
35030405	4 x 0.75 mm ²	6.2	28.8	66.0	35032105	21 x 0.75 mm ²	12.9	151.0	286.0
35030406	4 x 1 mm ²	6.6	38.4	79.0	35032106	21 x 1 mm ²	13.9	196.0	339.0
35030407	4 x 1.5 mm ²	7.5	57.6	108.0	35032107	21 x 1.5 mm ²	16.0	302.0	469.0
35030408	4 x 2.5 mm ²	9.1	96.0	167.0	35032504	25 x 0.5 mm ²	12.5	120.0	270.0
35030409	4 x 4 mm ²	10.9	15.6	251.0	35032505	25 x 0.75 mm ²	13.9	180.0	356.0
35030410	4 x 6 mm ²	12.8	230.4	360.0	35032506	25 x 1 mm ²	14.9	240.0	432.0
35030411	4 x 10 mm ²	17.9	384.0	656.0	35032507	25 x 1.5 mm ²	16.8	360.0	594.0
35030504	5 x 0.5 mm ²	6.3	24.0	64.0	35033407	34 1.5 mm ²	19.6	489.6	808.0
35030505	5 x 0.75 mm ²	6.8	36.0	80.0					
35030506	5 x 1 mm ²	7.2	48.0	95.0					
35030507	5 x 1.5 mm ²	8.2	72.0	131.0					
35030508	5 x 2.5 mm ²	10.0	120.0	205.0					
35030509	5 x 4 mm ²	12.1	192.0	312.0					
35030510	5 x 6 mm ²	14.3	288.0	450.0					
35030511	5 x 10 mm ²	20.0	480.0	819.0					
35030704	7 x 0.5 mm ²	6.8	33.6	78.0					
35030705	7 x 0.75 mm ²	7.6	50.4	104.0					
35030706	7 x 1 mm ²	8.0	67.2	123.0					

Other type's on request



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