

**Silicone Rubber**

Braidless

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 24 AWG - 500 MCM • Stranded Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)IEC 60754-1  
VDE 0282  
Part 1

Unshielded

For wiring at high ambient temperatures, e.g.  
- Lighting  
- Domestic appliances  
- Instrumentation engineering  
- Mechanical engineering

HMC4198	328	100	1.3	0.6	(14x0.15) TPC	24	0.25	0.071	1.80
HMC4199	328	100	2.0	0.9	(16x0.20) TPC	20	0.50	0.083	2.10
HMC4200	328	100	2.4	1.1	(24x0.20) TPC	18	0.75	0.091	2.30
HMC4201	328	100	3.1	1.4	(32x0.20) TPC	17	1.00	0.094	2.40
HMC4202	328	100	4.2	1.9	(30x0.25) TPC	16	1.50	0.106	2.70
HMC4203	328	100	6.4	2.9	(50x0.30) TPC	14	2.50	0.126	3.20
HMC4204	328	100	9.7	4.4	(56x0.30) TPC	12	4	0.157	4.00
HMC4205	328	100	13.7	6.2	(84x0.30) TPC	10	6	0.181	4.60
HMC4206	328	100	27.3	12.4	(80x0.40) TPC	8	10	0.256	6.50
HMC4207	328	100	40.8	18.5	(128x0.40) TPC	6	16	0.303	7.70
HMC4208	328	100	61.9	28.1	(200x0.40) TPC	4	25	0.374	9.50
HMC4209	on request		840.0	381.0	(280x0.40) TPC	2	35	0.429	10.90
HMC4210	on request		1181.7	536.0	(400x0.40) TPC	1	50	0.500	12.70
HMC4211	on request		1640.2	744.0	(356x0.50) TPC	2/0	70	0.575	14.60
HMC4212	on request		2180.3	989.0	(485x0.50) TPC	3/0	95	0.685	17.40
HMC4213	on request		2691.8	1221.0	(614x0.50) TPC	4/0	120	0.744	18.90
HMC4214	on request		3353.2	1521.0	(765x0.50) TPC	300 MCM	150	0.815	20.70
HMC4215	on request		4186.5	1899.0	(944x0.50) TPC	350 MCM	185	0.925	23.50
HMC4216	on request		5732.0	2600.0	(1225x0.50) TPC	500 MCM	240	1.047	26.60

Weights for "on request" are for 1 km

**180°C • 20 - 12 AWG • Solid Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)IEC 60754-1  
VDE 0282  
Part 1

Unshielded

For wiring at high ambient temperatures, e.g.  
- Lighting  
- Domestic appliances  
- Instrumentation engineering  
- Mechanical engineering

HMC4217	328	100	1.8	0.8	(1x0.80) TPC	20	0.50	0.079	2.00
HMC4218	328	100	2.4	1.1	(1x0.98) TPC	18	0.75	0.083	2.10
HMC4219	328	100	2.9	1.3	(1x1.13) TPC	17	1.00	0.091	2.30
HMC4220	328	100	4.0	1.8	(1x1.38) TPC	16	1.50	0.098	2.50
HMC4221	328	100	6.4	2.9	(1x1.78) TPC	14	2.50	0.122	3.10
HMC4222	328	100	9.9	4.5	(1x2.26) TPC	12	4	0.150	3.80

Weights for "on request" are for 1 km

TPC = Tin-Plated Copper • DCR = DC resistance

**Silicone Rubber (H05S)**

Braidless

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	UL NEC / C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 20 - 14 AWG • Stranded Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)IEC 60754-1  
VDE 0282  
Part 3

Unshielded

For wiring in electrical appliances and lighting  
up to a maximum operating temperature of 180°C.

H05S-K

<b>HMC4223</b>	328	100	2.6	1.2	(16x0.20) TPC	20	0.50	0.098	2.50
<b>HMC4224</b>	328	100	3.3	1.5	(24x0.20) TPC	18	0.75	0.106	2.70
<b>HMC4225</b>	328	100	3.7	1.7	(32x0.20) TPC	17	1.00	0.110	2.80
<b>HMC4226</b>	328	100	5.5	2.5	(30x0.25) TPC	16	1.50	0.130	3.30
<b>HMC4227</b>	328	100	8.2	3.7	(50x0.25) TPC	14	2.50	0.154	3.90

**180°C • 20 - 14 AWG • Solid Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)IEC 60754-1  
VDE 0282  
Part 3

Unshielded



H05S-U

<b>HMC4228</b>	328	100	2.4	1.1	(1x0.80) TPC	20	0.50	0.094	2.40
<b>HMC4229</b>	328	100	3.1	1.4	(1x0.98) TPC	18	0.75	0.098	2.50
<b>HMC4230</b>	328	100	3.7	1.7	(1x1.13) TPC	17	1.00	0.106	2.70
<b>HMC4231</b>	328	100	5.3	2.4	(1x1.38) TPC	16	1.50	0.122	3.10
<b>HMC4232</b>	328	100	7.9	3.6	(1x1.78) TPC	14	2.50	0.146	3.70

TPC = Tin-Plated Copper • DCR = DC resistance

**Silicone Rubber (VDE approved)**

Braidless

300/300V, 180°C, peak temp 250°C

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 20 - 14 AWG • Stranded Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue) • **VDE reg. no. N2GFA resp. (N)2GFA**IEC 60754-1  
VDE 0282  
Part 1

Unshielded

For wiring in electrical appliances and lighting  
up to a maximum operating temperature of 180°C.

<b>HMC4233</b>	1000	305	6.0	2.7	(16x0.20) TPC	20	0.50	0.083	2.10
<b>HMC4234</b>	1000	305	7.4	3.4	(24x0.20) TPC	18	0.75	0.091	2.30
<b>HMC4235</b>	1000	305	9.4	4.3	(32x0.20) TPC	17	1.00	0.094	2.40
<b>HMC4236</b>	1000	305	13.4	6.1	(30x0.25) TPC	16	1.50	0.114	2.90
<b>HMC4237</b>	1000	305	21.5	9.8	(50x0.25) TPC	14	2.50	0.138	3.50

**180°C • 20 - 14 AWG • Solid Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue) • **VDE reg. no. N2GFA resp. (N)2GFA**IEC 60754-1  
VDE 0282  
Part 1

Unshielded



N2GFA

<b>HMC4238</b>	1000	305	5.4	2.4	(1x0.80) TPC	20	0.50	0.079	2.00
<b>HMC4239</b>	1000	305	7.4	3.4	(1x0.98) TPC	18	0.75	0.083	2.10
<b>HMC4240</b>	1000	305	8.7	4.0	(1x1.13) TPC	17	1.00	0.091	2.30
<b>HMC4241</b>	1000	305	12.1	5.5	(1x1.38) TPC	16	1.50	0.106	2.70
<b>HMC4242</b>	1000	305	19.5	8.8	(1x1.78) TPC	14	2.50	0.130	3.30

TPC = Tin-Plated Copper • DCR = DC resistance

**Silicone Rubber (Superflex)**

Braidless

300/500V, 180°C, peak temp 250°C

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 24 - 2 AWG • Stranded Tin-Plated Copper Wire****Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)IEC 60754-1  
VDE 0282  
Part 1

Unshielded

For wiring at high ambient temperatures, e.g.  
- Lighting  
- Domestic appliances  
- Instrumentation engineering  
- Mechanical engineering

HMC4243	1640	500	6.6	3.0	(128x0.05) TPC	24	0.25	0.071	1.80
HMC4244	1640	500	11.0	5.0	(256x0.05) TPC	20	0.50	0.087	2.20
HMC4245	1640	500	13.2	6.0	(384x0.05) TPC	18	0.75	0.094	2.40
HMC4246	1640	500	17.6	8.0	(512x0.05) TPC	17	1.00	0.106	2.70
HMC4247	1640	500	24.3	11.0	(392x0.07) TPC	16	1.50	0.122	3.10
HMC4248	1640	500	38.6	17.5	(651x0.07) TPC	14	2.50	0.150	3.80
HMC4249	1640	500	58.4	26.5	(1040x0.07) TPC	12	4	0.185	4.70
HMC4250	1640	500	83.8	38.0	(1560x0.07) TPC	10	6	0.205	5.20
HMC4251	1640	500	135.6	61.5	(2600x0.07) TPC	8	10	0.276	7.00
HMC4252	1640	500	208.3	94.5	(2048x0.10) TPC	6	16	0.335	8.50
HMC4253	1640	500	320.8	145.5	(3200x0.10) TPC	4	25	0.402	10.20
HMC4254	1640	500	445.3	202.0	(1120x0.20) TPC	2	35	0.465	11.80

TPC = Tin-Plated Copper • DCR = DC resistance

**Silicone Rubber (H05SJ-K)**

Glass Braid

300/500V, 180°C

De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Conductor OD		Shielding Material Nom. DCR	Nominal OD		Application
			ft.	m	lbs.	kg		AWG	Section mm <sup>2</sup>		inch	mm	

**180°C • 20 AWG - 350 MCM • Stranded Tin-Plated Copper Wire****White Halogen-Free Silicone Insulation • Silicone-impregnated Glass-Fiber Braid**IEC 60754-1  
VDE 0282  
Part 1Overall  
Glass-Fiber BraidFor internal wiring at high ambient  
temperatures, e.g.  
- Lighting  
- Domestic appliances  
- Mechanical engineering

Identification tracer

HMC4255	328	100	2.6	1.2	(16x0.20) TPC	20	0.50	0.106	2.70
HMC4256	328	100	3.3	1.5	(24x0.20) TPC	18	0.75	0.114	2.90
HMC4257	328	100	4.0	1.8	(32x0.20) TPC	17	1.00	0.118	3.00
HMC4258	328	100	4.9	2.2	(30x0.25) TPC	16	1.50	0.138	3.50
HMC4259	328	100	7.7	3.5	(50x0.25) TPC	14	2.50	0.161	4.10
HMC4260	328	100	10.8	4.9	(56x0.30) TPC	12	4	0.181	4.60
HMC4261	328	100	15.0	6.8	(84x0.30) TPC	10	6	0.205	5.20
HMC4262	328	100	28.9	13.1	(80x0.40) TPC	8	10	0.283	7.20
HMC4263	328	100	43.4	19.7	(128x0.40) TPC	6	16	0.331	8.40
HMC4264	164	50	32.5	14.8	(200x0.40) TPC	4	25	0.402	10.20
HMC4265	164	50	43.4	19.7	(280x0.40) TPC	2	35	0.457	11.60
HMC4266	164	50	60.6	27.5	(400x0.40) TPC	1	50	0.528	13.40
HMC4267	164	50	83.9	38.1	(356x0.50) TPC	2/0	70	0.602	15.30
HMC4268	on request		2211.2	1003.0	(485x0.50) TPC	3/0	95	0.713	18.10
HMC4269	on request		2731.5	1239.0	(614x0.50) TPC	4/0	120	0.772	19.60
HMC4270	on request		3386.3	1536.0	(765x0.50) TPC	300 MCM	150	0.843	21.40
HMC4271	on request		4241.7	1924.0	(944x0.50) TPC	350 MCM	185	0.953	24.20

Weights for "on request" are for 1 km

**180°C • 20 - 8 AWG • Solid Tin-Plated Copper Wire****White Halogen-Free Silicone Insulation • Silicone-impregnated Glass-Fiber Braid**IEC 60754-1  
VDE 0282  
Part 1Overall  
Glass-Fiber Braid

Identification tracer

HMC4272	328	100	2.4	1.1	(1x0.80) TPC	20	0.50*	0.102	2.60
HMC4273	328	100	3.1	1.4	(1x0.98) TPC	18	0.75*	0.106	2.70
HMC4274	328	100	4.0	1.8	(1x1.13) TPC	17	1.00	0.114	2.90
HMC4275	328	100	5.3	2.4	(1x1.38) TPC	16	1.50	0.150	3.80
HMC4276	328	100	7.7	3.5	(1x1.78) TPC	14	2.50	0.154	3.90
HMC4277	328	100	11.5	5.2	(1x2.26) TPC	12	4	0.173	4.40
HMC4278	328	100	16.3	7.4	(1x2.78) TPC	10	6	0.193	4.90
HMC4279	328	100	26.7	12.1	(1x3.60) TPC	8	10	0.248	6.30

\* = according to VDE 0282 part 3

TPC = Tin-Plated Copper • DCR = DC resistance