

H07G-K / 07G-K

Rubber single core, finely stranded, tinned wire



TECHNICAL DATA

Rubber single core, H07G-K acc. to DIN VDE 0285-525-2-42 / DIN EN 50525-2-42; 07G-K in alignment with DIN VDE 0285-525-2-42 / DIN EN 50525-2-42

Temperature range	flexible -5°C fixed -40°C
Permissible operating temperature of the conductor	+110°C
Nominal voltage	AC U ₀ /U 450/750 V
Test voltage	2500 V
Minimum bending radius	fixed <8 mm: 4x Outer-ø 8-12 mm: 5x Outer-ø >12 mm: 6x Outer-ø

- Copper wire tinned, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- 10 - 120 mm²: Foil wrapping
- Core insulation: rubber (EVA) acc. to DIN VDE 0207-363-1 / DIN EN 50363-1 (compound type EI3)
- Core identification: see table

APPLICATION

For installation in electrical conduits as well as in open or closed trunking systems. Used for internal wiring of devices and equipment. Must not come into contact with water.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- Approved core colours: black, green-yellow, blue, brown, white, grey, violet, pink, orange, turquoise

CABLE STRUCTURE

H07G-K

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.	black	green-yellow	blue	brown	white	grey	violet	orange
					Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	
1.5	16	3.0 - 3.7	14.4	24.0	55301	55311	55302	55303	55308	55304	55309	55305
2.5	14	3.6 - 4.5	24.0	42.0	55401	55411	55402	55403	55408	55404	55409	55405
4	12	4.3 - 5.4	38.0	61.0	55501	55511	55502	55503	55508	55504	55509	55505
6	10	4.8 - 6.0	58.0	78.0	55601	55611	55602	55603	55608	55604	55609	55605
10	8	6.0 - 7.6	96.0	130.0	55701	55711	55702	55703	55708	55704	55709	55705
16	6	7.1 - 8.9	154.0	212.0	55801	55811	55802	55803	55808	55804	55809	55805
25	4	8.8 - 11.0	240.0	323.0	55901	55911	55902	55903	55908	55904	55909	55905
35	2	10.1 - 12.6	336.0	422.0	56001	56011	56002	56003	56008	56004	56009	56005
50	1	11.9 - 14.9	480.0	527.0	56101	56111	56102	56103	56108	56104	56109	56105
70	2/0	13.6 - 17.0	672.0	726.0	56201	56211	56202	56203	56208	56204	56209	56205
95	3/0	15.5 - 19.3	912.0	937.0	56301	56311	56302	56303	56308	56304	56309	56305
120	4/0	17.1 - 21.4	1152.0	1192.0	56401	56411	56402	56403	56408	56404	56409	56405

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.	pink	turquoise
					Part no.	Part no.
1.5	16	3.0 - 3.7	14.4	24.0	55306	55307
2.5	14	3.6 - 4.5	24.0	42.0	55406	55407
4	12	4.3 - 5.4	38.0	61.0	55506	55507
6	10	4.8 - 6.0	58.0	78.0	55606	55607
10	8	6.0 - 7.6	96.0	130.0	55706	55707
16	6	7.1 - 8.9	154.0	212.0	55806	55807
25	4	8.8 - 11.0	240.0	323.0	55906	55907
35	2	10.1 - 12.6	336.0	422.0	56006	56007
50	1	11.9 - 14.9	480.0	527.0	56106	56107
70	2/0	13.6 - 17.0	672.0	726.0	56206	56207
95	3/0	15.5 - 19.3	912.0	937.0	56306	56307
120	4/0	17.1 - 21.4	1152.0	1192.0	56406	56407

Continued on next page

H07G-K / 07G-K

Rubber single core, finely stranded, tinned wire



07G-K

Cross-sec. mm ²	AWG, approx.	Outer-ø min - max mm	Cu-weight kg/km	Weight kg/km, approx.	green	yellow
					Part no.	Part no.
1.5	16	3.0 - 3.7	14.4	24.0	55300	55310
2.5	14	3.6 - 4.5	24.0	42.0	55400	55410
4	12	4.3 - 5.4	38.0	61.0	55500	55510
6	10	4.8 - 6.0	58.0	78.0	55600	55610
10	8	6.0 - 7.6	96.0	130.0	55700	55710
16	6	7.1 - 8.9	154.0	212.0	55800	55810
25	4	8.8 - 11.0	240.0	323.0	55900	55910
35	2	10.1 - 12.6	336.0	422.0	56000	56010
50	1	11.9 - 14.9	480.0	527.0	56100	56110
70	2/0	13.6 - 17.0	672.0	726.0	56200	56210
95	3/0	15.5 - 19.3	912.0	937.0	56300	56310
120	4/0	17.1 - 21.4	1152.0	1192.0	56400	56410