

FIVENORM H07V2-K / 07V2-K / H07V-K / 07V-K



PVC single core, finely stranded, HAR - UL AWM - UL MTW - CSA AWM - CSA TEW



TECHNICAL DATA

PVC single core acc. to UL-Std. 758 (AWM) Style 10269, UL-Std. 1063 (MTW), CSA-Std. C22.2 No. 210 - AWM I A/B, 1.5 – 120 mm²: CSA-Std. C22.2 No. 127 - TEW

Temperature range	flexible +5°C to +90°C fixed -40°C to +90°C UL (AWM) -40°C to +105°C UL (MTW) -40°C to +90°C CSA (TEW) -40°C to +105°C
Nominal voltage	AC U ₀ /U 450/750 V UL (AWM) AC 1000 V UL (AWM) DC 1250 V UL (MTW) AC 600 V CSA (TEW) AC 600 V
Test voltage	2500 V
Test voltage (spark test)	6000 V
Minimum bending radius	fixed <8 mm: 4x Outer-ø 8-12 mm: 5x Outer-ø >12 mm: 6x Outer-ø

• Core identification: see table

PROPERTIES

- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1
- certifications and approvals:
FIVENORM H07V-K - FIVENORM H07V2-K: HAR
FIVENORM H07V2-K: EAC

APPLICATION

Five norms approved connecting jumper wire primarily designed for exportes, used in machine tools. The approbation of HAR, UL-AWM, UL-MTW, CSA-AWM, CSA-Equipment-wire make possible an economical storekeeping and simplification of parts list.

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T13)

NOTES

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

FIVENORM H07V2-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 9010)	grey (RAL 7001)	violet (RAL 4005)	orange (RAL 2003)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	64123	64124	64125	64126	64127	64128	64129	64130	64136
2.5	14	3.6	24.0	64139	64140	64141	64142	64143	64144	64145	64146	64152
4	12	4.1	38.0	64155	64156	64157	64158	64159	64160	64161	64162	64168
6	10	4.8	58.0	64171	64172	64173	64174	64175	64176	64177	64178	64184
10	8	6.6	96.0	64187	64188	64189	64190	64191	64192	64193	64194	64200
16	6	8.1	154.0	64203	64204	64205	64206	64207	64208	64209	64210	64216
25	4	9.8	240.0	64219	64220	64221	64222	64223	64224	64225	64226	64232
35	2	10.9	336.0	64235	64236	64237	64238	64239	64240	64241	64242	64248

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	dark blue (RAL 5010)	pink (RAL 3015)
				Part no.	Part no.
1.5	16	3.05	14.4	64135	64132
2.5	14	3.6	24.0	64151	64148
4	12	4.1	38.0	64167	64164
6	10	4.8	58.0	64183	64180
10	8	6.6	96.0	64199	64196

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PVC single core, finely stranded, HAR - UL AWM - UL MTW - CSA AWM - CSA TEW

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	dark blue (RAL 5010)	pink (RAL 3015)
				Part no.	Part no.
16	6	8.1	154.0	64215	64212
25	4	9.8	240.0	64231	64228
35	2	10.9	336.0	64247	64244

FIVENORM H07V-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31 (+90°C)

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	black (RAL 9005)	green-yellow	blue (RAL 5015)	brown (RAL 8003)	red (RAL 3000)	white (RAL 9010)	grey (RAL 7001)	violet (RAL 4005)	orange (RAL 2003)
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
50	1	13.6	480.0	64251	64252	64253	64254	64255	64256	64257	64258	64264
70	2/0	15.6	672.0	64267	64268	64269	64270	64271	64272	64273	64274	64280
95	3/0	17.1	912.0	64283	64284	64285	64286	64287	64288	64289	64290	64296
120	4/0	19.0	1152.0	64299	64300	64301	64302	64303	64304	64305	64306	64312
150	250 kcmil	22.5	1440.0	64315	64316	64317	64318	64319	64320	64321	64322	64328

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	dark blue (RAL 5010)	pink (RAL 3015)
				Part no.	Part no.
50	1	13.6	480.0	64263	64260
70	2/0	15.6	672.0	64279	64276
95	3/0	17.1	912.0	64295	64292
120	4/0	19.0	1152.0	64311	64308
150	250 kcmil	22.5	1440.0	64327	64324

FIVENORM 07V2-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31


Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	yellow (RAL 1021)	green (RAL 6018)	transparent	blue-orange	blue-white	dark blue-orange	dark blue-white	yellow-brown	yellow-blue
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	64131	64133	64134	69857	63417	63335	63419	65389	69856
2.5	14	3.6	24.0	64147	64149	64150	69866	63422	63336	63424	65390	69865
4	12	4.1	38.0	64163	64165	64166	69875	63427	63337	63429	65391	69874
6	10	4.8	58.0	64179	64181	64182	69884	63432	63338	63434	65392	69883
10	8	6.6	96.0	64195	64197	64198	69893	63437	63339	63439	65393	69892
16	6	8.1	154.0	64211	64213	64214	69902	63442	63340	63444	65394	69901
25	4	9.8	240.0	64227	64229	64230	-	63447	63342	63449	65395	-
35	2	10.9	336.0	64243	64245	64246	-	63452	63343	63454	65396	-

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	yellow-red	red-white	black-yellow	black-orange	orange-blue	orange-dark blue	orange-red	orange-black	orange-white
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	69861	63355	69862	63485	69628	69855	69858	69859	69860
2.5	14	3.6	24.0	69870	63356	69871	63486	69629	69864	69867	69868	69869
4	12	4.1	38.0	69879	63357	69880	63487	69630	69873	69876	69877	69878
6	10	4.8	58.0	69888	63358	69889	63488	69655	69882	69885	69886	69887
10	8	6.6	96.0	69897	63359	69898	63489	69656	69891	69894	69895	69896
16	6	8.1	154.0	69906	63360	69907	63490	69657	69900	69903	69904	69905
25	4	9.8	240.0	-	63362	-	63491	-	-	-	-	-
35	2	10.9	336.0	-	63363	-	63492	-	-	-	-	-


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PVC single core, finely stranded, HAR - UL AWM - UL MTW - CSA AWM - CSA TEW


Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km					
				Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	63375	63420	63418	69854	63421
2.5	14	3.6	24.0	63376	63425	63423	69863	63426
4	12	4.1	38.0	63377	63430	63428	69872	63431
6	10	4.8	58.0	63378	63435	63433	69881	63436
10	8	6.6	96.0	63379	63440	63438	69890	63441
16	6	8.1	154.0	63380	63445	63443	69899	63446
25	4	9.8	240.0	63382	63450	63448	-	63451
35	2	10.9	336.0	63383	63455	63453	-	63456


FIVENORM 07V-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31 (+90°C)

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km									
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
50	1	13.6	480.0	64259	64261	64262	63457	63344	63459	65397	63364	63493
70	2/0	15.6	672.0	64275	64277	64278	63462	63345	63464	65398	63365	63494
95	3/0	17.1	912.0	64291	64293	64294	63467	63346	63469	65499	63366	63495
120	4/0	19.0	1152.0	64307	64309	64310	63472	63347	63474	65400	63367	63496
150	250 kcmil	22.5	1440.0	64323	64325	64326	63477	63348	63479	65401	63368	63497

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km				
				Part no.	Part no.	Part no.	Part no.
50	1	13.6	480.0	63384	63460	63458	63461
70	2/0	15.6	672.0	63385	63465	63463	63466
95	3/0	17.1	912.0	63386	63470	63468	63471
120	4/0	19.0	1152.0	63387	63475	63473	63476
150	250 kcmil	22.5	1440.0	63388	63480	63478	63481

FIVENORM H07V2-K acc. to DIN VDE 0285-525-2-31 / DIN EN 50525-2-31. Coil in cardboard box (100m)

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km									
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	11019405	11019406	11019407	11019408	11019409	11019410	11019411	11019412	11019417
2.5	14	3.6	24.0	11019440	11019441	11019442	11019443	11019444	11019445	11019446	11019447	11019452
4	12	4.1	38.0	11019475	11019476	11019477	11019478	11019479	11019480	11019481	11019482	11019487
6	10	4.8	58.0	11019510	11019511	11019512	11019513	11019514	11019515	11019516	11019517	11019522

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km			
				Part no.	Part no.	Part no.
1.5	16	3.05	14.4	11019416	11019414	11019418
2.5	14	3.6	24.0	11019451	11019449	11019453
4	12	4.1	38.0	11019486	11019484	11019488
6	10	4.8	58.0	11019521	11019519	11019523