

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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	black (RAL 9005) Part no.	green-yellow Part no.	blue (RAL 5015) Part no.	brown (RAL 8003) Part no.	red (RAL 3000) Part no.	white (RAL 9010) Part no.	grey (RAL 7001) Part no.	violet (RAL 4005) Part no.	orange (RAL 2003) 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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	dark blue (RAL 5010) Part no.	pink (RAL 3015) Part no.	ultramarine blue Part no.	turquoise Part no.
1.5	16	3.05	14.4	64135	64132	11020827	11019105
2.5	14	3.6	24.0	64151	64148	11020828	11020208
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 factor per km	dark blue (RAL 5010) Part no.	pink (RAL 3015) Part no.	ultramarine blue Part no.	turquoise 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 factor per km	black (RAL 9005) Part no.	green-yellow Part no.	blue (RAL 5015) Part no.	brown (RAL 8003) Part no.	red (RAL 3000) Part no.	white (RAL 9010) Part no.	grey (RAL 7001) Part no.	violet (RAL 4005) Part no.	orange (RAL 2003) 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 factor per km	dark blue (RAL 5010) Part no.	pink (RAL 3015) 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 factor per km	yellow (RAL 1021) Part no.	green (RAL 6018) Part no.	blue-orange Part no.	blue-white Part no.	dark blue- orange Part no.	dark blue- white Part no.	yellow-brown Part no.	yellow-blue Part no.	yellow-red Part no.
1.5	16	3.05	14.4	64131	64133	69857	63417	63335	63419	65389	69856	69861
2.5	14	3.6	24.0	64147	64149	69866	63422	63336	63424	65390	69865	69870
4	12	4.1	38.0	64163	64165	69875	63427	63337	63429	65391	69874	69879
6	10	4.8	58.0	64179	64181	69884	63432	63338	63434	65392	69883	69888
10	8	6.6	96.0	64195	64197	69893	63437	63339	63439	65393	69892	69897
16	6	8.1	154.0	64211	64213	69902	63442	63340	63444	65394	69901	69906
25	4	9.8	240.0	64227	64229	-	63447	63342	63449	65395	-	-
35	2	10.9	336.0	64243	64245	-	63452	63343	63454	65396	-	-

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	red-white Part no.	black-yellow Part no.	black-orange Part no.	black-red Part no.	orange-blue Part no.	orange-dark blue Part no.	orange-red Part no.	orange-black Part no.	orange-white Part no.
1.5	16	3.05	14.4	63355	69862	63485	11019108	69628	69855	69858	69859	69860
2.5	14	3.6	24.0	63356	69871	63486	11019871	69629	69864	69867	69868	69869
4	12	4.1	38.0	63357	69880	63487	-	69630	69873	69876	69877	69878
6	10	4.8	58.0	63358	69889	63488	-	69655	69882	69885	69886	69887
10	8	6.6	96.0	63359	69898	63489	11019109	69656	69891	69894	69895	69896
16	6	8.1	154.0	63360	69907	63490	-	69657	69900	69903	69904	69905
25	4	9.8	240.0	63362	-	63491	-	-	-	-	-	-
35	2	10.9	336.0	63363	-	63492	11019110	-	-	-	-	-

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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 factor per km	white-dark blue	white-orange	white-blue	white-yellow	white-red	white-black	white-violet	white-tur- quoise
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	63375	63420	63418	69854	63421	11019111	11019104	11019867
2.5	14	3.6	24.0	63376	63425	63423	69863	63426	11019872	11019103	-
4	12	4.1	38.0	63377	63430	63428	69872	63431	-	11019102	-
6	10	4.8	58.0	63378	63435	63433	69881	63436	-	-	-
10	8	6.6	96.0	63379	63440	63438	69890	63441	11019112	11019106	-
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	11019113	-	-

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 factor per km	yellow (RAL 1021)	green (RAL 6018)	blue-white	dark blue- orange	dark blue- white	yellow-brown	red-white	black-orange	white-dark blue
				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	63457	63344	63459	65397	63364	63493	63384
70	2/0	15.6	672.0	64275	64277	63462	63345	63464	65398	63365	63494	63385
95	3/0	17.1	912.0	64291	64293	63467	63346	63469	65499	63366	63495	63386
120	4/0	19.0	1152.0	64307	64309	63472	63347	63474	65400	63367	63496	63387
150	250 kcmil	22.5	1440.0	64323	64325	63477	63348	63479	65401	63368	63497	63388

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	white-orange	white-blue	white-red
				Part no.	Part no.	Part no.
50	1	13.6	480.0	63460	63458	63461
70	2/0	15.6	672.0	63465	63463	63466
95	3/0	17.1	912.0	63470	63468	63471
120	4/0	19.0	1152.0	63475	63473	63476
150	250 kcmil	22.5	1440.0	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 factor per 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	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 factor per km	dark blue (RAL 5010)	pink (RAL 3015)	turquoise (RAL 5018)
				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

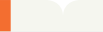
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PVC single core, finely stranded, HAR - UL AWM - UL MTW - CSA AWM - CSA TEW



FIVENORM 07V2-K in alignment with 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 factor per km	 yellow (RAL 1021) Part no.	 green (RAL 6018) Part no.	 blue-orange Part no.	 blue-white Part no.	 dark blue- orange Part no.	 dark blue- white Part no.	 yellow-brown Part no.	 yellow-blue Part no.	 yellow-red Part no.
1.5	16	3.05	14.4	11019413	11019415	11019434	11019420	11019426	11019422	11019429	11019433	11019438
2.5	14	3.6	24.0	11019448	11019450	11019469	11019455	11019461	11019457	11019464	11019468	11019473
4	12	4.1	38.0	11019483	11019485	11019504	11019490	11019496	11019492	11019499	11019503	11019508
6	10	4.8	58.0	11019518	11019520	11019539	11019525	11019531	11019527	11019534	11019538	11019543

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 red-white Part no.	 black-yellow Part no.	 black-orange Part no.	 orange-blue Part no.	 orange-dark blue Part no.	 orange-red Part no.	 orange-black Part no.	 orange-white Part no.	 white-dark blue Part no.
1.5	16	3.05	14.4	11019427	11019439	11019425	11019430	11019432	11019435	11019436	11019437	11019428
2.5	14	3.6	24.0	11019462	11019474	11019460	11019465	11019467	11019470	11019471	11019472	11019463
4	12	4.1	38.0	11019497	11019509	11019495	11019500	11019502	11019505	11019506	11019507	11019498
6	10	4.8	58.0	11019532	11019544	11019530	11019535	11019537	11019540	11019541	11019542	11019533

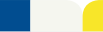
Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 white-orange Part no.	 white-blue Part no.	 white-yellow Part no.	 white-red Part no.
1.5	16	3.05	14.4	11019423	11019421	11019431	11019424
2.5	14	3.6	24.0	11019458	11019456	11019466	11019459
4	12	4.1	38.0	11019493	11019491	11019501	11019494
6	10	4.8	58.0	11019528	11019526	11019536	11019529

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

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 black (RAL 9005) Part no.	 green-yellow Part no.	 blue (RAL 5015) Part no.	 brown (RAL 8003) Part no.	 red (RAL 3000) Part no.	 white (RAL 9010) Part no.	 grey (RAL 7001) Part no.	 violet (RAL 4005) Part no.	 orange (RAL 2003) Part no.
1.5	16	3.05	14.4	65441	65442	65443	65444	65445	65446	65447	65448	65450
2.5	14	3.6	24.0	65454	65455	65456	65457	65458	65459	65460	65461	65463
4	12	4.1	38.0	65467	65468	65469	65470	65471	65472	65473	65474	65476
6	10	4.8	58.0	65550	65551	65552	65553	65554	65555	65556	65557	65562

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 dark blue (RAL 5010) Part no.	 pink (RAL 3015) Part no.
1.5	16	3.05	14.4	65453	65449
2.5	14	3.6	24.0	65466	65462
4	12	4.1	38.0	65549	65475
6	10	4.8	58.0	65561	65559

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

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 yellow (RAL 1021) Part no.	 green (RAL 6018) Part no.	 blue-white Part no.	 dark blue- orange Part no.	 dark blue- white Part no.	 yellow-brown Part no.	 red-white Part no.	 black-orange Part no.	 violet-black Part no.
1.5	16	3.05	14.4	65452	65451	65516	65522	65518	65525	65523	65521	11029434
2.5	14	3.6	24.0	65465	65464	65527	65533	65529	65536	65534	65532	11029436

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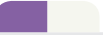


PVC single core, finely stranded, HAR - UL AWM - UL MTW - CSA AWM - CSA TEW

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 yellow (RAL 1021)	 green (RAL 6018)	 blue-white	 dark blue- orange	 dark blue- white	 yellow-brown	 red-white	 black-orange	 violet-black
				Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.	Part no.
4	12	4.1	38.0	65478	65477	65538	65544	65540	65547	65545	65543	11029438
6	10	4.8	58.0	65558	65560	-	-	-	-	-	-	-

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 violet-white	 white-dark blue	 white-orange	 white-blue	 white-red
				Part no.	Part no.	Part no.	Part no.	Part no.
1.5	16	3.05	14.4	11029435	65524	65519	65517	65520
2.5	14	3.6	24.0	11029437	65535	65530	65528	65531
4	12	4.1	38.0	11029439	65546	65541	65539	65542

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

Cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	 violet-black	 violet-white
				Part no.	Part no.
6	10	4.8	58.0	11029440	11029441
10	8	6.6	96.0	11029442	11029443