

# 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 <sub>0</sub> /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-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. mm²	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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# FIVENORM H07V2-K / 07V2-K / H07V-K / 07V-K



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

Cross-sec. mm <sup>2</sup>	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	<b>64215</b>	<b>64212</b>
25	4	9.8	240.0	<b>64231</b>	<b>64228</b>
35	2	10.9	336.0	<b>64247</b>	<b>64244</b>

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

Cross-sec. mm <sup>2</sup>	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	<b>64251</b>	<b>64252</b>	<b>64253</b>	<b>64254</b>	<b>64255</b>	<b>64256</b>	<b>64257</b>	<b>64258</b>	<b>64264</b>
70	2/0	15.6	672.0	<b>64267</b>	<b>64268</b>	<b>64269</b>	<b>64270</b>	<b>64271</b>	<b>64272</b>	<b>64273</b>	<b>64274</b>	<b>64280</b>
95	3/0	17.1	912.0	<b>64283</b>	<b>64284</b>	<b>64285</b>	<b>64286</b>	<b>64287</b>	<b>64288</b>	<b>64289</b>	<b>64290</b>	<b>64296</b>
120	4/0	19.0	1152.0	<b>64299</b>	<b>64300</b>	<b>64301</b>	<b>64302</b>	<b>64303</b>	<b>64304</b>	<b>64305</b>	<b>64306</b>	<b>64312</b>
150	250 kcmil	22.5	1440.0	<b>64315</b>	<b>64316</b>	<b>64317</b>	<b>64318</b>	<b>64319</b>	<b>64320</b>	<b>64321</b>	<b>64322</b>	<b>64328</b>

Cross-sec. mm <sup>2</sup>	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	<b>64263</b>	<b>64260</b>
70	2/0	15.6	672.0	<b>64279</b>	<b>64276</b>
95	3/0	17.1	912.0	<b>64295</b>	<b>64292</b>
120	4/0	19.0	1152.0	<b>64311</b>	<b>64308</b>
150	250 kcmil	22.5	1440.0	<b>64327</b>	<b>64324</b>

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

Cross-sec. mm <sup>2</sup>	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	<b>64131</b>	<b>64133</b>	<b>64134</b>	<b>69857</b>	<b>63417</b>	<b>63335</b>	<b>63419</b>	<b>65389</b>	<b>69856</b>
2.5	14	3.6	24.0	<b>64147</b>	<b>64149</b>	<b>64150</b>	<b>69866</b>	<b>63422</b>	<b>63336</b>	<b>63424</b>	<b>65390</b>	<b>69865</b>
4	12	4.1	38.0	<b>64163</b>	<b>64165</b>	<b>64166</b>	<b>69875</b>	<b>63427</b>	<b>63337</b>	<b>63429</b>	<b>65391</b>	<b>69874</b>
6	10	4.8	58.0	<b>64179</b>	<b>64181</b>	<b>64182</b>	<b>69884</b>	<b>63432</b>	<b>63338</b>	<b>63434</b>	<b>65392</b>	<b>69883</b>
10	8	6.6	96.0	<b>64195</b>	<b>64197</b>	<b>64198</b>	<b>69893</b>	<b>63437</b>	<b>63339</b>	<b>63439</b>	<b>65393</b>	<b>69892</b>
16	6	8.1	154.0	<b>64211</b>	<b>64213</b>	<b>64214</b>	<b>69902</b>	<b>63442</b>	<b>63340</b>	<b>63444</b>	<b>65394</b>	<b>69901</b>
25	4	9.8	240.0	<b>64227</b>	<b>64229</b>	<b>64230</b>	-	<b>63447</b>	<b>63342</b>	<b>63449</b>	<b>65395</b>	-
35	2	10.9	336.0	<b>64243</b>	<b>64245</b>	<b>64246</b>	-	<b>63452</b>	<b>63343</b>	<b>63454</b>	<b>65396</b>	-

Cross-sec. mm <sup>2</sup>	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	<b>69861</b>	<b>63355</b>	<b>69862</b>	<b>63485</b>	<b>69628</b>	<b>69855</b>	<b>69858</b>	<b>69859</b>	<b>69860</b>
2.5	14	3.6	24.0	<b>69870</b>	<b>63356</b>	<b>69871</b>	<b>63486</b>	<b>69629</b>	<b>69864</b>	<b>69867</b>	<b>69868</b>	<b>69869</b>
4	12	4.1	38.0	<b>69879</b>	<b>63357</b>	<b>69880</b>	<b>63487</b>	<b>69630</b>	<b>69873</b>	<b>69876</b>	<b>69877</b>	<b>69878</b>
6	10	4.8	58.0	<b>69888</b>	<b>63358</b>	<b>69889</b>	<b>63488</b>	<b>69655</b>	<b>69882</b>	<b>69885</b>	<b>69886</b>	<b>69887</b>
10	8	6.6	96.0	<b>69897</b>	<b>63359</b>	<b>69898</b>	<b>63489</b>	<b>69656</b>	<b>69891</b>	<b>69894</b>	<b>69895</b>	<b>69896</b>
16	6	8.1	154.0	<b>69906</b>	<b>63360</b>	<b>69907</b>	<b>63490</b>	<b>69657</b>	<b>69900</b>	<b>69903</b>	<b>69904</b>	<b>69905</b>
25	4	9.8	240.0	-	<b>63362</b>	-	<b>63491</b>	-	-	-	-	-
35	2	10.9	336.0	-	<b>63363</b>	-	<b>63492</b>	-	-	-	-	-

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



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

Cross-sec. mm <sup>2</sup>	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	<b>63375</b>	<b>63420</b>	<b>63418</b>	<b>69854</b>	<b>63421</b>
2.5	14	3.6	24.0	<b>63376</b>	<b>63425</b>	<b>63423</b>	<b>69863</b>	<b>63426</b>
4	12	4.1	38.0	<b>63377</b>	<b>63430</b>	<b>63428</b>	<b>69872</b>	<b>63431</b>
6	10	4.8	58.0	<b>63378</b>	<b>63435</b>	<b>63433</b>	<b>69881</b>	<b>63436</b>
10	8	6.6	96.0	<b>63379</b>	<b>63440</b>	<b>63438</b>	<b>69890</b>	<b>63441</b>
16	6	8.1	154.0	<b>63380</b>	<b>63445</b>	<b>63443</b>	<b>69899</b>	<b>63446</b>
25	4	9.8	240.0	<b>63382</b>	<b>63450</b>	<b>63448</b>	-	<b>63451</b>
35	2	10.9	336.0	<b>63383</b>	<b>63455</b>	<b>63453</b>	-	<b>63456</b>

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

Cross-sec. mm <sup>2</sup>	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	<b>64259</b>	<b>64261</b>	<b>64262</b>	<b>63457</b>	<b>63344</b>	<b>63459</b>	<b>65397</b>	<b>63364</b>	<b>63493</b>
70	2/0	15.6	672.0	<b>64275</b>	<b>64277</b>	<b>64278</b>	<b>63462</b>	<b>63345</b>	<b>63464</b>	<b>65398</b>	<b>63365</b>	<b>63494</b>
95	3/0	17.1	912.0	<b>64291</b>	<b>64293</b>	<b>64294</b>	<b>63467</b>	<b>63346</b>	<b>63469</b>	<b>65499</b>	<b>63366</b>	<b>63495</b>
120	4/0	19.0	1152.0	<b>64307</b>	<b>64309</b>	<b>64310</b>	<b>63472</b>	<b>63347</b>	<b>63474</b>	<b>65400</b>	<b>63367</b>	<b>63496</b>
150	250 kcmil	22.5	1440.0	<b>64323</b>	<b>64325</b>	<b>64326</b>	<b>63477</b>	<b>63348</b>	<b>63479</b>	<b>65401</b>	<b>63368</b>	<b>63497</b>

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

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

Cross-sec. mm <sup>2</sup>	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	<b>11019405</b>	<b>11019406</b>	<b>11019407</b>	<b>11019408</b>	<b>11019409</b>	<b>11019410</b>	<b>11019411</b>	<b>11019412</b>	<b>11019417</b>
2.5	14	3.6	24.0	<b>11019440</b>	<b>11019441</b>	<b>11019442</b>	<b>11019443</b>	<b>11019444</b>	<b>11019445</b>	<b>11019446</b>	<b>11019447</b>	<b>11019452</b>
4	12	4.1	38.0	<b>11019475</b>	<b>11019476</b>	<b>11019477</b>	<b>11019478</b>	<b>11019479</b>	<b>11019480</b>	<b>11019481</b>	<b>11019482</b>	<b>11019487</b>
6	10	4.8	58.0	<b>11019510</b>	<b>11019511</b>	<b>11019512</b>	<b>11019513</b>	<b>11019514</b>	<b>11019515</b>	<b>11019516</b>	<b>11019517</b>	<b>11019522</b>










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










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








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 <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km									
				yellow (RAL 1021) Part no.	green (RAL 6018) Part no.	transparent 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.
1.5	16	3.05	14.4	11019413	11019415	11019419	11019434	11019420	11019426	11019422	11019429	11019433
2.5	14	3.6	24.0	11019448	11019450	11019454	11019469	11019455	11019461	11019457	11019464	11019468
4	12	4.1	38.0	11019483	11019485	11019489	11019504	11019490	11019496	11019492	11019499	11019503
6	10	4.8	58.0	11019518	11019520	11019524	11019539	11019525	11019531	11019527	11019534	11019538

Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km									
				yellow-red Part no.	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.
1.5	16	3.05	14.4	11019438	11019427	11019439	11019425	11019430	11019432	11019435	11019436	11019437
2.5	14	3.6	24.0	11019473	11019462	11019474	11019460	11019465	11019467	11019470	11019471	11019472
4	12	4.1	38.0	11019508	11019497	11019509	11019495	11019500	11019502	11019505	11019506	11019507
6	10	4.8	58.0	11019543	11019532	11019544	11019530	11019535	11019537	11019540	11019541	11019542










Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km					
				white-dark blue Part no.	white-orange Part no.	white-blue Part no.	white-yellow Part no.	white-red Part no.
1.5	16	3.05	14.4	11019428	11019423	11019421	11019431	11019424
2.5	14	3.6	24.0	11019463	11019458	11019456	11019466	11019459
4	12	4.1	38.0	11019498	11019493	11019491	11019501	11019494
6	10	4.8	58.0	11019533	11019528	11019526	11019536	11019529

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

Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/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 <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/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





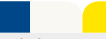




## FIVENORM 07V2-K in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31. Barrel




Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/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.	white-dark blue Part no.
1.5	16	3.05	14.4	65452	65451	65516	65522	65518	65525	65523	65521	65524

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



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

Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/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.	white-dark blue Part no.
2.5	14	3.6	24.0	<b>65465</b>	<b>65464</b>	<b>65527</b>	<b>65533</b>	<b>65529</b>	<b>65536</b>	<b>65534</b>	<b>65532</b>	<b>65535</b>
4	12	4.1	38.0	<b>65478</b>	<b>65477</b>	<b>65538</b>	<b>65544</b>	<b>65540</b>	<b>65547</b>	<b>65545</b>	<b>65543</b>	<b>65546</b>
6	10	4.8	58.0	<b>65558</b>	<b>65560</b>	-	-	-	-	-	-	-

Cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km			
				white-orange Part no.	white-blue Part no.	white-red Part no.
1.5	16	3.05	14.4	<b>65519</b>	<b>65517</b>	<b>65520</b>
2.5	14	3.6	24.0	<b>65530</b>	<b>65528</b>	<b>65531</b>
4	12	4.1	38.0	<b>65541</b>	<b>65539</b>	<b>65542</b>