

# 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 mm<sup>2</sup>: CSA-Std. C22.2 No. 127 - TEW

<b>Temperature range</b>	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
<b>Nominal voltage</b>	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
<b>Test voltage</b>	2500 V
<b>Test voltage (spark test)</b>	6000 V
<b>Minimum bending radius</b>	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

## 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.

## NOTES

- the conductor is metrically (mm<sup>2</sup>) 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

## 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)

## FIVENORM H07V2-K acc. to 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	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 <sup>2</sup>	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

# 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 9005)	pink (RAL 3015)
				Part no.	Part no.
10	8	6.6	96.0	<b>64199</b>	<b>64196</b>
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 9010)	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>	-

07.12.2021 / We reserve the right to make technical changes; the imprint in the image is purely exemplary

# 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.	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>	-	-	-	-	-

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>


07.12.2021 / We reserve the right to make technical changes; the imprint in the image is purely exemplary


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

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





## 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									
				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	<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			
				dark blue (RAL 5010) Part no.	pink (RAL 3015) Part no.	turquoise (RAL 5018) 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 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	<b>11019413</b>	<b>11019415</b>	<b>11019419</b>	<b>11019434</b>	<b>11019420</b>	<b>11019426</b>	<b>11019422</b>	<b>11019429</b>	<b>11019433</b>
2.5	14	3.6	24.0	<b>11019448</b>	<b>11019450</b>	<b>11019454</b>	<b>11019469</b>	<b>11019455</b>	<b>11019461</b>	<b>11019457</b>	<b>11019464</b>	<b>11019468</b>
4	12	4.1	38.0	<b>11019483</b>	<b>11019485</b>	<b>11019489</b>	<b>11019504</b>	<b>11019490</b>	<b>11019496</b>	<b>11019492</b>	<b>11019499</b>	<b>11019503</b>
6	10	4.8	58.0	<b>11019518</b>	<b>11019520</b>	<b>11019524</b>	<b>11019539</b>	<b>11019525</b>	<b>11019531</b>	<b>11019527</b>	<b>11019534</b>	<b>11019538</b>

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	<b>11019438</b>	<b>11019427</b>	<b>11019439</b>	<b>11019425</b>	<b>11019430</b>	<b>11019432</b>	<b>11019435</b>	<b>11019436</b>	<b>11019437</b>
2.5	14	3.6	24.0	<b>11019473</b>	<b>11019462</b>	<b>11019474</b>	<b>11019460</b>	<b>11019465</b>	<b>11019467</b>	<b>11019470</b>	<b>11019471</b>	<b>11019472</b>
4	12	4.1	38.0	<b>11019508</b>	<b>11019497</b>	<b>11019509</b>	<b>11019495</b>	<b>11019500</b>	<b>11019502</b>	<b>11019505</b>	<b>11019506</b>	<b>11019507</b>
6	10	4.8	58.0	<b>11019543</b>	<b>11019532</b>	<b>11019544</b>	<b>11019530</b>	<b>11019535</b>	<b>11019537</b>	<b>11019540</b>	<b>11019541</b>	<b>11019542</b>

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	<b>11019428</b>	<b>11019423</b>	<b>11019421</b>	<b>11019431</b>	<b>11019424</b>
2.5	14	3.6	24.0	<b>11019463</b>	<b>11019458</b>	<b>11019456</b>	<b>11019466</b>	<b>11019459</b>
4	12	4.1	38.0	<b>11019498</b>	<b>11019493</b>	<b>11019491</b>	<b>11019501</b>	<b>11019494</b>
6	10	4.8	58.0	<b>11019533</b>	<b>11019528</b>	<b>11019526</b>	<b>11019536</b>	<b>11019529</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 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)	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.	
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)	pink (RAL 3015)
				Part no.	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)	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.
1.5	16	3.05	14.4	65452	65451	65516	65522	65518	65525	65523	65521	65524
2.5	14	3.6	24.0	65465	65464	65527	65533	65529	65536	65534	65532	65535
4	12	4.1	38.0	65478	65477	65538	65544	65540	65547	65545	65543	65546
6	10	4.8	58.0	65558	65560	-	-	-	-	-	-	-

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

07.12.2021 / We reserve the right to make technical changes; the imprint in the image is purely exemplary