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

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 TI3)
- 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.

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) 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-weight kg/km	dark blue (RAL 5010) Part no.	pink (RAL 3015) 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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	dark blue (RAL 5010) Part no.	pink (RAL 3015) 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. mm²	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.
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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/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. mm²	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	**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. mm²	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	**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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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. mm²	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	**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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	yellow (RAL 1021) Part no.	green (RAL 6018) Part no.	transparent 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.
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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	white-dark blue Part no.	white-orange Part no.	white-blue Part no.	white-red 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. mm²	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	**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. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	dark blue (RAL 5010) Part no.	pink (RAL 3015) Part no.	turquoise (RAL5018) 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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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. mm²	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. mm²	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. mm²	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. mm²	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. mm²	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. mm²	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**

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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. mm²	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	**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. mm²	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	**65519**	**65517**	**65520**
2.5	14	3.6	24.0	**65530**	**65528**	**65531**
4	12	4.1	38.0	**65541**	**65539**	**65542**

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