HARMONISED FLEXIBLE CABLE 450/750 V · DIN VDE 0282 / EN 50525 | 450/750 V | 10 sizes | CR rubber, low-temp | BARE COPPER | LOW-TEMPERATURE GRADE

H07RN8-F 3× 450/750 V

Submersible Rubber Cable 450/750 V 450/750 V – 3 cores of equal cross-section in concentric layers with a short lay length. Low-temperature polychloroprene rubber sheath. Complete technical data sheet: construction, dimensions, weights, current ratings, voltage drop and installation guidance for 10 sizes.

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01 Application and Product Overview

H07RN8-F is the harmonised submersible rubber cable for 450/750 V. It is built like H07RN-F but with a water-resistant design that allows permanent immersion to a water depth of 10 m, which is why it is used for submersible pumps, fountains, dredging and drainage equipment.

Design

The conductors are class 5 fine-wire copper; the cores are insulated with EPR and stranded; multi-core cables from 7 cores and cables from 10 mm² carry a rubber inner sheath that keeps the core compact and water-resistant. The outer sheath is a polychloroprene compound qualified for permanent immersion. The cable corresponds to DIN VDE 0282 part 16 (HD 22.16).

Typical applications

- Submersible pumps in wells, shafts, sumps and dewatering applications
- Fountains, ponds and water features
- Dredging and underwater equipment with a feed cable
- Offshore and harbour installations at limited depth
- Construction-site dewatering and tunnel drainage
- Mine sump pumps and flooded workings
- Agricultural irrigation pumps
- Cold-climate duty: sites, cold stores and open-cast operations where the cable is moved at temperatures down to 40 °C

10 sizes	450/750 V	+60 °C	CR rubber, low-temp
Cross-section 1 – 50 mm²	Rated voltage U_0/U	Maximum conductor temperature	Sheath: CR rubber, low-temp

Key features

- Permanent immersion to 10 m water depth
- Polychloroprene sheath with proven oil, weather and abrasion resistance
- EPR insulation, 60 °C at the conductor
- Rated voltage 450/750 V, test voltage 2.5 kV
- Class 5 conductors
- Flame-retardant to IEC 60332-1-2
- 10 sizes from 1 to 50 mm²; weight from 130 to 2,470 kg/km; copper from 29 to 1,440 kg/km

Core layout and conductor

3 cores of equal cross-section in concentric layers with a short lay length. Core colours: brown, black, grey (DIN VDE 0293-308); no protective core is included. The three-core layout feeds a three-phase motor without neutral; protective earth is provided separately. The conductors are bare annealed copper. Bare copper has the lowest conductor resistance of the class 5 range and is the usual choice for dry and damp indoor use. Where the cable is exposed to salt, sulphur or permanent moisture, the tinned version of the same cable is preferable.

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Standard background

DIN VDE 0282-16 (HD 22.16) specifies the harmonised H07RN8-F submersible rubber cable. The 8 in the designation stands for water-resistant construction. The cable must not be used where the water depth exceeds the rated depth, and the free cable end must always be kept above the water level or properly sealed.

The low-temperature grade of the sheath compound remains flexible down to 40 °C in motion and 50 °C in fixed installation, so the cable can be reeled and trailed on cold sites, in cold stores and in northern open-cast operations. The mechanical and electrical ratings are those of the standard grade; only the cold-flexing limit is extended.

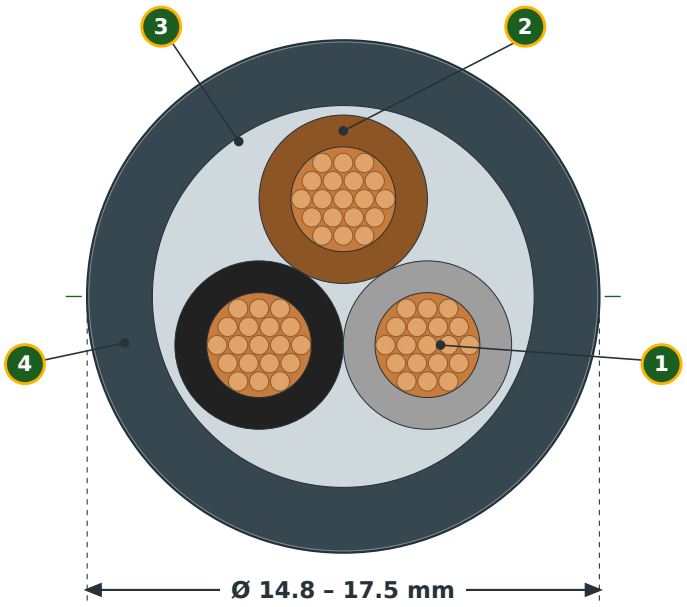
450/750 V is the common rating for industrial and building-site distribution on 400 V systems and allows a margin for DC and rectified supplies. The test voltage is 2.5 kV.

02 Construction

FEICHUN · CROSS-SECTION A–A · 450/750 V

H07RN8-F

Sample size 3×6 · Rev 0 · Illustrative, not to scale



No.	Component	Material
1	Conductor	Bare annealed fine-wire copper, class 5 to IEC 60228 / DIN VDE 0295
2	Insulation	EPR rubber, type EI4 (60 °C)
3	Filler and binder tape	Rubber or compound filler with polyester binder tape
4	Outer sheath	Polychloroprene (CR) rubber, low-temperature grade

The drawing shows size 3×6. Other sizes have the same construction with scaled dimensions; the layout of every size is checked for non-overlap of all elements.

Construction details

Conductor	Bare annealed fine-wire copper, class 5 to DIN VDE 0295 / IEC 60228
Insulation	EPR rubber, type EI4 (60 °C), maximum conductor temperature 60 °C
Core identification	Brown, black, grey to DIN VDE 0293-308
Stranding	Cores in concentric layers with a short lay length
Outer sheath	Polychloroprene (CR) rubber, low-temperature grade; thickness about 2.1 mm at this size

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03 Electrical, Thermal and Mechanical Characteristics

Electrical data

Rated voltage U_0/U	450/750 V AC
Test voltage	2.5 kV AC, 5 min
Maximum operating voltage, three-phase	825 V
Maximum operating voltage, DC (core-earth / core-core)	0.45/0.75 kV (DC 0.675/1.1 kV)
Current-carrying capacity	Design values by the method of DIN VDE 0298-4, free air, 30 °C ambient
Conductor resistance	Maximum at 20 °C, class 5, bare

Thermal and mechanical data

Maximum conductor temperature	+60 °C
Maximum temperature at short circuit	+200 °C (5 s maximum)
Ambient temperature, fixed installation	−50 °C to +60 °C
Ambient temperature, in motion	−40 °C to +60 °C
Minimum bending radius	Fixed: 3 × D (D ≤ 12 mm), 4 × D (D > 12 mm); moving: 3 × D (D ≤ 8 mm), 4 × D (D ≤ 12 mm), 5 × D (D > 12 mm) (DIN VDE 0298-3)
Maximum tensile load	15 N/mm² continuous on the total copper cross-section
Flame propagation	IEC 60332-1-2 / DIN EN 60332-1-2
Halogen-free	No (CR rubber, low-temp)
Mineral oil resistance	Resistant, DIN EN 60811-404
UV and ozone resistance	Resistant
Water	Permanent immersion to 10 m water depth

04 Dimensions, Weights and Rated Data – 450/750 V (10 sizes)

Type designation cores × mm²	FeiChun article no.	Cond. Ø max mm	Outer Ø min mm	Outer Ø max mm	Bend radius fixed mm	Bend radius moving mm	Weight approx. kg/km	Copper kg/km	Max. pull N	R_{20} max Ω/km	Rated current A	I_k (1 s) kA
3×1	FC-H07R-0803-01	1.4	8.2	9.9	30	40	130	29	45	19.5	12	0.141
3×1.5	FC-H07R-0803-02	1.7	9.2	11.1	33	44	170	43	68	13.3	16	0.211
3×2.5	FC-H07R-0803-03	2.2	10.8	13.1	52	66	231	72	112	7.98	22	0.352
3×4	FC-H07R-0803-04	2.7	13.1	15.7	63	78	267	115	180	4.95	29	0.564
3×6	FC-H07R-0803-05	3.3	14.8	17.5	70	88	374	173	270	3.30	38	0.846
3×10	FC-H07R-0803-06	4.1	19.5	22.7	91	114	670	288	450	1.91	52	1.41
3×16	FC-H07R-0803-07	5.2	22.5	26.0	104	130	990	460	720	1.21	70	2.26
3×25	FC-H07R-0803-08	6.5	27.5	31.0	124	155	1,530	720	1,120	0.780	93	3.52
3×35	FC-H07R-0803-09	7.7	28.5	32.5	130	162	1,790	1,010	1,580	0.554	114	4.93
3×50	FC-H07R-0803-10	9.2	33.0	37.5	150	188	2,470	1,440	2,250	0.386	143	7.05

Current-carrying capacity: design values by the method of DIN VDE 0298-4, free air, 30 °C ambient; for other ambient temperatures use the factors below. Copper weight = 9.6 kg/(km·mm²) of copper cross-section (VDE copper index). Pull force = 15 N/mm² × total copper cross-section of the power cores. Diameters, dimensions and weights are nominal design values calibrated to published type tables; they vary within manufacturing tolerances. Confirm critical dimensions before dimensioning reels, glands or festoon systems. Other sizes and configurations are produced to order.

Ambient temperature factors (conductor 60 °C)

°C	20	25	30	35	40	45	50	55	60
Factor	1.15	1.08	1.00	0.91	0.82	0.71	0.58	0.41	–

Short-circuit current rating

I_k = 0.141 kA/mm² × cross-section of the power core (conductor 60 °C → 200 °C). For another duration t: $I_{k,t} = I_{k,1s} / \sqrt{t}$ (0.1 s ≤ t ≤ 5 s).

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05 Voltage Drop, Losses and Short-Circuit Data

Voltage drop per 100 m of cable at rated current with the conductor at 60 °C, cos φ = 0.8 and reactance 0.08 Ω/km (three-phase). The percentage refers to a system voltage of 400 V. Loss is the total I²R loss of the loaded cores per 100 m. The short-circuit columns give the permitted current for four durations.

Type designation cores × mm²	Rated current A	R at 60 °C Ω/km	Voltage drop V / 100 m	Voltage drop % of 400 V	Loss kW / 100 m	I_k 0.1 s kA	I_k 0.5 s kA	I_k 1 s kA	I_k 3 s kA
3×1	12	22.6	37.62	9.41	0.97	0.446	0.199	0.141	0.081
3×1.5	16	15.4	34.25	8.56	1.18	0.669	0.299	0.211	0.122
3×2.5	22	9.23	28.33	7.08	1.34	1.11	0.499	0.352	0.204
3×4	29	5.73	23.26	5.81	1.45	1.78	0.798	0.564	0.326
3×6	38	3.82	20.42	5.11	1.65	2.68	1.20	0.846	0.488
3×10	52	2.21	16.36	4.09	1.79	4.46	1.99	1.41	0.814
3×16	70	1.40	14.16	3.54	2.06	7.13	3.19	2.26	1.30
3×25	93	0.903	12.40	3.10	2.34	11.15	4.99	3.52	2.04
3×35	114	0.641	11.07	2.77	2.50	15.61	6.98	4.93	2.85
3×50	143	0.447	10.04	2.51	2.74	22.29	9.97	7.05	4.07

06 Selection Guide and Sizing Aid

H07RN8-F 3× covers 10 sizes. The smallest, 3×1, has an outer diameter of up to 9.9 mm and weighs about 130 kg/km; the largest, 3×50, has an outer diameter of up to 37.5 mm and weighs about 2,470 kg/km, 19.0 times as much. Across the range the rated current rises from 12 A to 143 A at 30 °C and the fixed bending radius from 30 mm to 150 mm.

Example 1. A circuit draws 17 A continuously at 40 °C ambient temperature, in a group of two cables. Temperature factor 0.82, grouping factor 0.80: required table current = 17 / (0.82 × 0.80) = 27 A. The smallest suitable size is 3×4 with 29 A.

Example 2. A circuit draws 59 A continuously at 35 °C ambient temperature, on its own. Temperature factor 0.91: required table current = 59 / (0.91) = 65 A. The smallest suitable size is 3×16 with 70 A.

07 Engineering Profile by Size

Every size of H07RN8-F 3× with the dimensions that decide how it behaves in a circuit: layers, weight, copper share, heat, voltage drop, bending, termination and pull.

3×1. This size has with a conductor of Ø 1.3 mm under 0.70 mm of insulation (core Ø 2.7 mm) and an outer sheath of 1.2 mm; outer diameter 8.2–9.9 mm, weight about 130 kg/km of which copper 29 kg/km (22 %). Rated current 12 A at 30 °C; at that load the voltage drop is 37.62 V per 100 m (9.41 % of 400 V) and the loss 0.97 kW per 100 m. Bending radius 30 mm fixed, 40 mm moving; gland M16, lug bolt M5. Short-circuit rating 0.141 kA for 1 s; permitted pull 45 N, free-hanging length 35 m.

3×1.5. This size has with a conductor of Ø 1.7 mm under 0.80 mm of insulation (core Ø 3.3 mm) and an outer sheath of 1.3 mm; outer diameter 9.2–11.1 mm, weight about 170 kg/km of which copper 43 kg/km (25 %). Rated current 16 A at 30 °C; at that load the voltage drop is 34.25 V per 100 m (8.56 % of 400 V) and the loss 1.18 kW per 100 m. Bending radius 33 mm fixed, 44 mm moving; gland M20, lug bolt M5. Short-circuit rating 0.211 kA for 1 s; permitted pull 68 N, free-hanging length 40 m.

3×2.5. This size has with a conductor of Ø 2.1 mm under 0.90 mm of insulation (core Ø 3.9 mm) and an outer sheath of 1.4 mm; outer diameter 10.8–13.1 mm, weight about 231 kg/km of which copper 72 kg/km (31 %). Rated current 22 A at 30 °C; at that load the voltage drop is 28.33 V per 100 m (7.08 % of 400 V) and the loss 1.34 kW per 100 m. Bending radius 52 mm fixed, 66 mm moving; gland M25, lug bolt M5. Short-circuit rating 0.352 kA for 1 s; permitted pull 112 N, free-hanging length 49 m.

3×4. This size has with a conductor of Ø 2.7 mm under 1.00 mm of insulation (core Ø 4.7 mm) and an outer sheath of 1.8 mm; outer diameter 13.1–15.7 mm, weight about 267 kg/km of which copper 115 kg/km (43 %). Rated current 29 A at 30 °C; at that load the voltage drop is 23.26 V per 100 m (5.81 % of 400 V) and the loss 1.45 kW per 100 m. Bending radius 63 mm fixed, 78 mm moving; gland M25, lug bolt M5. Short-circuit rating 0.564 kA for 1 s; permitted pull 180 N, free-hanging length 68 m.

3×6. This size has with a conductor of Ø 3.3 mm under 1.00 mm of insulation (core Ø 5.3 mm) and an outer sheath of 2.1 mm; outer diameter 14.8–17.5 mm, weight about 374 kg/km of which copper 173 kg/km (46 %). Rated current 38 A at 30 °C; at that load the voltage drop is 20.42 V per 100 m (5.11 % of 400 V) and the loss 1.65 kW per 100 m.

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Bending radius 70 mm fixed, 88 mm moving; gland M32, lug bolt M5. Short-circuit rating 0.846 kA for 1 s; permitted pull 270 N, free-hanging length 73 m.

3×10. This size has with a conductor of Ø 4.1 mm under 1.20 mm of insulation (core Ø 6.5 mm) and 0.8 mm inner and 2.5 mm outer sheath; outer diameter 19.5–22.7 mm, weight about 670 kg/km of which copper 288 kg/km (43 %). Rated current 52 A at 30 °C; at that load the voltage drop is 16.36 V per 100 m (4.09 % of 400 V) and the loss 1.79 kW per 100 m. Bending radius 91 mm fixed, 114 mm moving; gland M32, lug bolt M6. Short-circuit rating 1.41 kA for 1 s; permitted pull 450 N, free-hanging length 68 m.

3×16. This size has with a conductor of Ø 5.2 mm under 1.20 mm of insulation (core Ø 7.6 mm) and 0.8 mm inner and 2.9 mm outer sheath; outer diameter 22.5–26.0 mm, weight about 990 kg/km of which copper 460 kg/km (46 %). Rated current 70 A at 30 °C; at that load the voltage drop is 14.16 V per 100 m (3.54 % of 400 V) and the loss 2.06 kW per 100 m. Bending radius 104 mm fixed, 130 mm moving; gland M40, lug bolt M6. Short-circuit rating 2.26 kA for 1 s; permitted pull 720 N, free-hanging length 74 m.

3×25. This size has with a conductor of Ø 6.5 mm under 1.40 mm of insulation (core Ø 9.3 mm) and 0.9 mm inner and 3.5 mm outer sheath; outer diameter 27.5–31.0 mm, weight about 1,530 kg/km of which copper 720 kg/km (47 %). Rated current 93 A at 30 °C; at that load the voltage drop is 12.40 V per 100 m (3.10 % of 400 V) and the loss 2.34 kW per 100 m. Bending radius 124 mm fixed, 155 mm moving; gland M40, lug bolt M8. Short-circuit rating 3.52 kA for 1 s; permitted pull 1,120 N, free-hanging length 74 m.

3×35. This size has with a conductor of Ø 7.6 mm under 1.40 mm of insulation (core Ø 10.4 mm) and 0.9 mm inner and 2.8 mm outer sheath; outer diameter 28.5–32.5 mm, weight about 1,790 kg/km of which copper 1,010 kg/km (56 %). Rated current 114 A at 30 °C; at that load the voltage drop is 11.07 V per 100 m (2.77 % of 400 V) and the loss 2.50 kW per 100 m. Bending radius 130 mm fixed, 162 mm moving; gland M50, lug bolt M8. Short-circuit rating 4.93 kA for 1 s; permitted pull 1,580 N, free-hanging length 89 m.

3×50. This size has with a conductor of Ø 9.1 mm under 1.60 mm of insulation (core Ø 12.3 mm) and 0.9 mm inner and 3.1 mm outer sheath; outer diameter 33.0–37.5 mm, weight about 2,470 kg/km of which copper 1,440 kg/km (58 %). Rated current 143 A at 30 °C; at that load the voltage drop is 10.04 V per 100 m (2.51 % of 400 V) and the loss 2.74 kW per 100 m. Bending radius 150 mm fixed, 188 mm moving; gland M50, lug bolt M10. Short-circuit rating 7.05 kA for 1 s; permitted pull 2,250 N, free-hanging length 92 m.

Averaged over all sizes copper makes up 50 % of the cable weight; the share rises from 22 % at 3×1 to 58 % at 3×50, which is why the larger sizes are costed mostly on the copper market price.

08 Construction Dimensions by Size

Wall thicknesses and diameters of the layers at each size, taken from the validated cross-section layout; the overall diameter in section 04 is the sum of these layers within tolerance. The insulation wall follows the voltage class 450/750 V.

Type designation cores × mm²	Conductor Ø mm	Core Ø over insulation, mm	Insulation wall mm	Laid-up core Ø mm	Inner sheath mm	Outer sheath mm	Screen + braid mm	Sheath share of Ø, %
3×1	1.35	2.75	0.70	6.5	–	1.25	–	28
3×1.5	1.65	3.25	0.80	7.6	–	1.30	–	25
3×2.5	2.13	3.93	0.90	9.1	–	1.44	–	24
3×4	2.70	4.70	1.00	10.7	–	1.83	–	25
3×6	3.30	5.30	1.00	12.0	–	2.05	–	25
3×10	4.08	6.48	1.20	14.6	0.79	2.48	–	31
3×16	5.16	7.56	1.20	16.9	0.82	2.90	–	31
3×25	6.45	9.25	1.40	20.5	0.86	3.52	–	30
3×35	7.63	10.43	1.40	23.1	0.90	2.80	–	24
3×50	9.12	12.32	1.60	27.2	0.95	3.12	–	23

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09 Termination Planning (indicative)

Type designation cores × mm²	Outer Ø or W × H mm	Cable gland thread	Lug / ferrule bolt	Strip length mm	Straight length behind gland, mm
3×1	9.9	M16	M5	10	15
3×1.5	11.1	M20	M5	10	15
3×2.5	13.1	M25	M5	10	25
3×4	15.7	M25	M5	10	30
3×6	17.5	M32	M5	11	35
3×10	22.7	M32	M6	11	45
3×16	26.0	M40	M6	12	50
3×25	31.0	M40	M8	14	60
3×35	32.5	M50	M8	16	65
3×50	37.5	M50	M10	19	75

Gland threads, lug bolts and strip lengths are planning guides computed from the dimensions above; confirm them with the accessory manufacturer.

10 Comparison with Related Variants at Size 3×6

Variant	Differs in	Outer Ø / H mm	Weight kg/km	Pull N	Current A
This datasheet H07RN8-F 3× 450/750 V	–	17.5	374	270	38
H07RN8-F 2× 450/750 V 2×6	core configuration	16.3 (-7%)	267 (-29%)	180 (-33%)	38 (+0%)
H07RN8-F 3G 450/750 V 3G6	core configuration	17.5 (+0%)	374 (+0%)	270 (+0%)	38 (+0%)
H07RN8-F 3× 450/750 V 3×6	tinned vs bare copper	17.5 (+0%)	374 (+0%)	270 (+0%)	38 (+0%)
H07RN8-F 3× 450/750 V 3×6	low-temperature sheath	17.5 (+0%)	374 (+0%)	270 (+0%)	38 (+0%)
H07RN8-F 450/750 V 1×6	core configuration	9.8 (-44%)	125 (-67%)	90 (-67%)	38 (+0%)
H07RN8-F 4× 450/750 V 4×6	core configuration	19.6 (+12%)	490 (+31%)	360 (+33%)	32 (-16%)
H07RN8-F 4G 450/750 V 4G6	core configuration	19.6 (+12%)	490 (+31%)	360 (+33%)	38 (+0%)
H07RN8-F 5× 450/750 V 5×6	core configuration	21.4 (+22%)	580 (+55%)	450 (+67%)	28 (-26%)

Percentages show the change against this datasheet; where a variant does not offer the exact size, the nearest listed size is used.

11 Standards and Testing

Standard	Scope
DIN VDE 0282-16 (HD 22.16)	Submersible flexible rubber cables H07RN8-F
DIN VDE 0293-308	Core identification
DIN VDE 0295 / IEC 60228	Conductors, class 5
DIN VDE 0298-3 / -4	Application and current-carrying capacity
DIN EN 60332-1-2 / IEC 60332-1-2	Flame propagation

Routine and type tests

- AC voltage test on every drum length (routine test): 2.5 kV, 5 min
- Conductor resistance and checks of dimensions, insulation thickness and sheath thickness
- Continuity of conductors
- Flame propagation test (IEC 60332-1-2) and mineral-oil resistance on type-test samples

Test documentation: every delivery is accompanied by a test certificate from FeiChun’s own laboratory. Third-party witnessed tests can be arranged at the buyer’s cost.

The design follows DIN VDE 0282-16. This datasheet does not claim the VDE approval mark; mark or approval certificates, where required for a project, are arranged on request and apply only to the type tested.

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12 Installation, Marking and Delivery

Installation guidance

- Never terminate the cable under water; keep the cable end above the water level or seal it in a watertight enclosure.
- Hang heavy pumps on a separate rope, never by the cable.
- Respect the water depth rating of 10 m.
- Seal the cable entry of the pump with a gland that matches the maximum outer diameter.
- Inspect the sheath regularly for cuts and abrasion at the water line.
- Do not exceed the tensile load of 15 N/mm² of the copper cross-section.

Sheath marking

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FEICHUN H07RN8-F [cross-section] 450/750 V [year] [serial no.] [metre mark]
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Packing and delivery

Drum	Steel or fumigated wooden drums; cable ends sealed with heat-shrink caps
Delivery length	As ordered, in one continuous length without joints
Lead time	2–3 weeks after technical approval
Warranty	At least 3 years against manufacturing defects
Drum label	Type, cross-section, length, gross/net weight, batch no., drum no.

Ordering information

Order example: H07RN8-F 3×6 450/750 V – 500 m on one drum. When requesting a quotation, state the cable type, configuration, cross-section, voltage, conductor (bare copper), length per piece, required standards and installation conditions.

13 Certification and Quality

All cable is subject to FeiChun's quality control, with routine testing over 100 % of the delivered length. Declarations of conformity, type-test reports and third-party tests (for example for a mine, a tunnel or a rail project) are provided per project requirement; copies of the records are available on request. FeiChun holds CE, EAC and UKCA documentation for certain product groups. Whether a certificate covers this specific construction must be confirmed with FeiChun before it is quoted in a tender.

VDE, mine-specific (for example coal-mine safety marks, MSHA) and ATEX / IECEx approvals are not implied by this datasheet. They depend on the project, the machine and the country and are arranged with the end user.

14 Related Datasheets and Frequently Asked Questions

Variants of this cable with a different configuration, conductor, temperature grade, screen or voltage. All datasheets are PDF files.

- H07RN8-F 2× 450/750 V – core configuration, CR rubber, low-temp
- H07RN8-F 3G 450/750 V – core configuration, CR rubber, low-temp
- H07RN8-F 3× 450/750 V – tinned vs bare copper, CR rubber, low-temp, tinned
- H07RN8-F 3× 450/750 V – low-temperature sheath, CR rubber
- H07RN8-F 450/750 V – core configuration, CR rubber, low-temp
- H07RN8-F 4× 450/750 V – core configuration, CR rubber, low-temp
- H07RN8-F 4G 450/750 V – core configuration, CR rubber, low-temp
- H07RN8-F 5× 450/750 V – core configuration, CR rubber, low-temp

Overview of all H07RN8-F datasheets: H07 Series Flexible Cables 450/750 V

Frequently asked questions

How deep can H07RN8-F be submerged?
To a water depth of 10 m, continuously.

What is the difference to H07RN-F?
H07RN8-F has a design that is qualified for permanent immersion; H07RN-F is designed for water spray and temporary immersion only.

What sizes are available for H07RN8-F 3×?
10 sizes from 1 to 50 mm². The outer dimension of the largest size, 3×50, is 37.5 mm and the weight is about 2,470 kg/km.

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What current can 3×10 carry?
52 A in free air at 30 °C ambient, with the conductor at 60 °C. Other temperatures and grouping change the value; use the factors in section 04.

15 Trademark Notice and Intellectual Property

Cable type designations such as H07RN8-F are standardised, descriptive designations defined in DIN VDE and EN standards; they are used to state which standard this product is designed to. References to other manufacturers' trade names, where made, serve only for technical comparison; FeiChun Cables is not affiliated with them.

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Document control

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