

Harsh conditions

Rubber cables



H07RN8-F

Submersible pump cable; Formerly: “ÖLFLEX® AQUA RN8”



Info

- Submersible pump cable
- Flexible
- Oil-resistant

Benefits

- Submersion, considering application standards, e.g., HD 516
- Depth: Down to 10 m
- According to HD 516/VDE 0298-300, underwater use prohibited in areas with shipping traffic, moving water or where there is a risk of dangerous, mechanical damage
- High stresses
- Type-compliant versions <HAR>-certified with “<HAR>” testing and certification mark for accelerated granting of approvals if final application of cable is within the European CENELEC area

Application range

- Dry or damp rooms, as well as outdoors and in industrial water acc. HD 516 and EN 50525-2-21
- For connecting mobile, electrical equipment in industrial water
- For use with submersible pumps

Product features

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404
- Flexible

Norm references / Approvals

- <HAR> cable type certified acc. EN 50525-2-21

Product make-up

- Strands of bare copper wires
- Core insulation: rubber compound type EI 4
- Outer sheath: rubber compound, type EM2

Technical data

Classification
ETIM 5.0 Class-ID: EC001578
ETIM 5.0 Class-Description: Flexible cable

Core identification code
Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9
From 6 cores: black with white numbers

Conductor stranding
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius
4 to 8 xOD* (HD 516)

Nominal voltage
U₀/U: 450/750 V

Test voltage
2500 V

Protective conductor
G = with GN-YE protective conductor
X = without protective conductor

Current rating
VDE 0298 Part 4
HD 516/VDE 0298-300

Temperature range
Conductor:Fix/Moved:-40/-25°C to +60°C
Max. water temperature: +40°C

Article number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1600600	1 X 4	7.2 - 9.0	38.4	100
1600601	1 X 6	7.9 - 9.8	57.6	120
1600602	1 X 10	9.5 - 11.9	96.0	200
1600604	1 X 25	12.7 - 15.8	240.0	400
1600606	3 G 1.5	9.2 - 11.9	43.2	170
1600609	4 G 1.5	10.2 - 13.1	57.6	205
1600620	7 G 1.5	14.0 - 17.5	100.8	385
1600607	3 G 2.5	10.9 - 14.0	72.0	210
1600610	4 G 2.5	12.1 - 15.5	96.0	260
1600621	7 G 2.5	16.5 - 20.0	168.0	520
1600611	4 G 4	14.0 - 17.9	153.6	356
1600612	4 G 6	15.7 - 20.0	230.4	475
1600613	4 G 10	20.9 - 26.5	384.0	837
1600614	4 G 16	23.8 - 30.1	614.4	1220
1600615	4 G 25	28.9 - 36.6	960.0	1770
1600616	4 G 35	32.5 - 41.1	1,344.0	2304

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Packaging size: Coil ≤ 30 kg, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
Photographs are not to scale and do not represent detailed images of the respective products.
*OD = Outer diameter

Similar products

- H07RN-F refer to page 82

Accessories

- SKINTOP® CLICK System refer to page 657
- EASY STRIP stripping and cutting tool refer to page 909
- PEW 8.87 crimping pliers refer to page 921
- KS 20 cable shears refer to page 908