

FLEXTREME MAX H07RN-F 450/750V CPR E

Rubber insulated flexible cables



Eca
CPR

PRODUCT FAMILY DESCRIPTION

Being AD8 rated, our FLEXTREME MAX H07RN-F cable is immersible in water up to 100 meters depth (10bars). Suitable for all kinds of applications, including dry and wet locations, indoors and outdoors. Can be used for medium and heavy mechanical loads. Could be installed under or on plaster, on rocks, concrete, but not in pre-stressed concrete. Permitted fixed laying on crane and machine elements etc. Permitted voltages up to 1 kV AC. Also suitable for cooling installations. Resistant to oil, ozone and UV irradiation. The cable is impact resistant (AG3) and tested for 250.000 bending cycles.

GENERAL INFORMATION

Brand	Prysmian
Application	Building Installations;Residential Installations;Industrial Installations;OEM

STANDARDS

  	RoHS
EN 60332-1-2	Fire performance
EN 50525-2-21	General

CABLE-DESIGN

Conductor material	Copper
Conductor surface	Bare
Core identification (acc. HD 308 S2)	Yes
Core insulation material	Rubber
Material outer sheath	Rubber
Cable shape	Round

Technical data, dimensions and weights are subject to change. All sizes and values without tolerances are reference values. Specifications are for products supplied by Prysmian: any modification or alteration of products may give different results. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is correct to the best of our knowledge at the time of publication. Prysmian reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorized by Prysmian. © All rights reserved by Prysmian 2024 · www.prysmian.com

ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U ₀ [V]	450
Nominal voltage U [V]	750
Test voltage [kV]	2.5
Rated voltage U ₀ /U (U _m)	450/750 V
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Minimum temperature for fix installation [°C]	-40
Maximum temperature for fix installation [°C]	50
Minimum temperature for flexible installation [°C]	-25
Maximum temperature for flexible installation [°C]	50
Laying temperature (min) [°C]	-25

CHARACTERISTICS

Outdoor installation	Yes
Bending radius (rule)	During installation: 4-8 x D

CHEMICAL PROPERTIES

Silicon free	Yes
Lead free	Yes
Flame retardant	In accordance with EN/IEC 60332-1-2
CPR reaction to fire	Eca
Oil resistant	acc. IEC/EN 60811-404
Ozone resistance	Yes
Resistant to UV	Yes
Moisture resistance	Yes
Sea water resistance	Good

SUSTAINABILITY COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.

Sustainability and environmental responsibility is evident also in our **packaging** solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.

Check for more details about our sustainability commitment here: [Sustainability: report and responsibility](#).



CABLE PROPERTIES

SAP code	Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20486544	1x6	8.1	114	1003568
20465287	1x1,5	6	51	1003568
20465422	1x2.5	6.42	64	1003568
20465423	1x4	7.4	89	1003568
20465425	1x10	10.1	184	1003568
20465426	1x16	11.3	251	1003568
20465433	1x25	13.1	360	1003568
20460875	1x35	15.1	487	1003568
20431938	1x50	17.8	684	1003568
20432144	1x70	19.1	886	1003568
20449797	1x95	21.5	1,150	1003568
20432145	1x120	23.7	1,423	1003568
34000113	1G150	26.2	1,771	1003568
20431939	1x150	26.2	1,771	1003568
20440887	1x185	28.79	2,094	1003568
34000114	1G185	28.79	2,094	1003568
20432146	1x240	31	2,703	1003568
20449795	1x300	35.2	3,326	1003568
20453577	2x1	8.1	89	1003568
20449803	2X1,5	9	112	1003568
20431940	2x2,5	10.6	158	1003568
20449793	2X4	12.2	221	1003568
20457577	2x6	13.6	288	1003568
20474269	2x10	19.1	465	1003568
20460902	2x16	21.3	749	1003568
20460903	2x25	25	1,074	1003568

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20449810	3G1	8.7	107	1003568
20449788	3G1,5	9.6	133	1003568
20449781	3G2,5	11.3	191	1003568
20470489	3G4	13.1	268	1003568
20470598	3G6	14.6	353	1003568
20470488	3G10	20.4	614	1003568
20470599	3G16	22.8	929	1003568
20449778	3X25	26.7	1,340	1003568
20470600	3G35	30.7	1,800	1003568
20470671	3G50	36.4	2,539	1003568
20470681	3G70	39.1	3,256	1003568
20453507	4x1	9.6	132	1003568
20449806	4G1,5	10.6	165	1003568
20472516	4G4	14.33	335	1003568
20470682	4G10	22.2	845	1003568
20358646	4G95	49	4,818	1003568
20453910	5G1,5	11.64	200	1003568
20449784	5G2,5	13.7	287	1003568
20449782	5G4	16	413	1003568
20449700	5G6	18	550	1003568
20449777	5G10	24.4	1,020	1003568
20449783	5G25	32.8	2,059	1003568
20449804	5G35	37.4	2,745	1003568
20449787	5G50	44.8	3,960	1003568
20449801	5G70	48.4	5,150	1003568
20449774	5G95	54.6	6,619	1003568

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20453576	7G1,5	15.1	326	1003568
20460866	12G1,5	18.3	486	1003568
R34002122	12G2,5	21.1	681	1003568
R34002123000300500	12G4	25	936	1003568

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