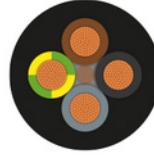


# Rubber cable

## H07RN-F FLEXTREME<sup>®</sup> MAX



PRYSMIAN H07RN-F FLEXTREME MAX



**Application:** For medium mechanical stress in dry, wet and damp locations as well as outdoors. Also for fixed installation on plaster or machines. The cable is oil, UV and ozone resistant. The areas of application range from building sites to industrial use. It is also suitable for permanent use in fresh or sea water (AD 8) up to a depth of 100 m (10 bar) and for a maximum water temperature of 40°C.

Higher conductor temperature of 90 °C is permissible for fixed installation. When installed in ducts or similar enclosed systems, the use of the cable is permitted up to and including 1000 V AC voltage or up to 750 V DC voltage against earth.

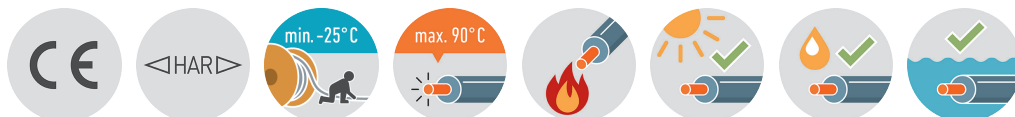
Maximum temperature of the conductor in continuous duty: 60 °C

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0,1 %:

CAS 85535-85-9

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	DIN EN 50525-2-21 (VDE 0285-525-2-21)
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber
<b>Sheathing material:</b>	rubber
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Water-resistant:</b>	AD8
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	250 °C
<b>°C:</b>	
<b>Permitted outer cable temperature, fixed, °C:</b>	-35 - +90 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +60 °C



*The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.*

Bending radius acc. DIN EN 50565-1

application	< 8 mm	8-12 mm	12-20 mm	> 20 mm
fixed installation		3 x Ø		4 x Ø
free movement		5 x Ø		6 x Ø
cable entry		5 x Ø		6 x Ø

**H07RN-F FLEXTREME<sup>®</sup> MAX**

**Nominal voltage U<sub>o</sub>:** 450 V

**Nominal voltage U:** 750 V

**Test voltage:** 2.5 kV

**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
054642	01X95	0.206	222	22.6	912	1120
053851	01X120	0.161	260	23.1	1152	1510
053852	01X150	0.129	300	25.6	1440	1900
054431	01X185	0.106	341	28	1776	2080
053853	01X240	0.0801	407	31	2304	2900
053854	03G1.5	13.3	19.5	9.4	43	155
053855	03G2.5	7.98	26	11.1	72	235
053856	03G4	4.95	35	12.9	115	310
053857	03G6	3.3	44	14.3	173	400
053858	04G1.5	13.3	16	10.4	58	190
053859	04G2.5	7.98	22	12.3	96	280
053860	04G4	4.95	30	14.2	154	380
053861	04G6	3.3	37	15.9	230	510
053862	04G10	1.91	52	21.3	384	940
053863	04G16	1.21	69	24.2	614	1250
053864	04G25	0.78	92	29.3	960	1850
053865	04G35	0.554	114	33	1344	2310
053866	04G50	0.386	143	38.2	1920	3160
053867	04G70	0.272	178	43.2	2688	4250
053868	04G95	0.206	210	49	3648	5590
053869	04G120	0.161	246	53.6	4608	6790
053870	05G1.5	13.3	16.5	11.5	72	230
053871	05G2.5	7.98	23	13.5	120	340
053872	05G4	4.95	30	15.9	192	470
053873	05G6	3.3	38	17.9	288	630
053874	05G10	1.91	54	22.3	480	1150
053875	05G16	1.21	71	26.9	768	1540
053876	05G25	0.78	94	32.5	1200	2200
053877	05G35	0.554	117	38	1680	2700
053878	05G50	0.386	148	44.5	2400	3950
053879	05G70	0.272	185	47	3360	4893
053880	05G95	0.206	222	58	4560	6600

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000