

Your knight in shining armour.

Our tough PRYSMIAN H07RN-F will stand up to the elements in the quest of bringing you power.



Prysmian
Group

Linking
the Future

*A reliable source
in harsh areas.*



Our tough PRYSMIAN H07RN-F will stand up to the elements in the quest of bringing you power.

PRYSMIAN H07RN-F rubber cable can be applied in cold, wet as well as explosive environments. A perfect choice for transportable motors and machines on for example building sites or in agricultural work. Being both flexible and steadfast, PRYSMIAN H07RN-F will gallantly persevere as your champion in the pursue of delivering power to harsh areas.

PRYSMIAN H07RN-F

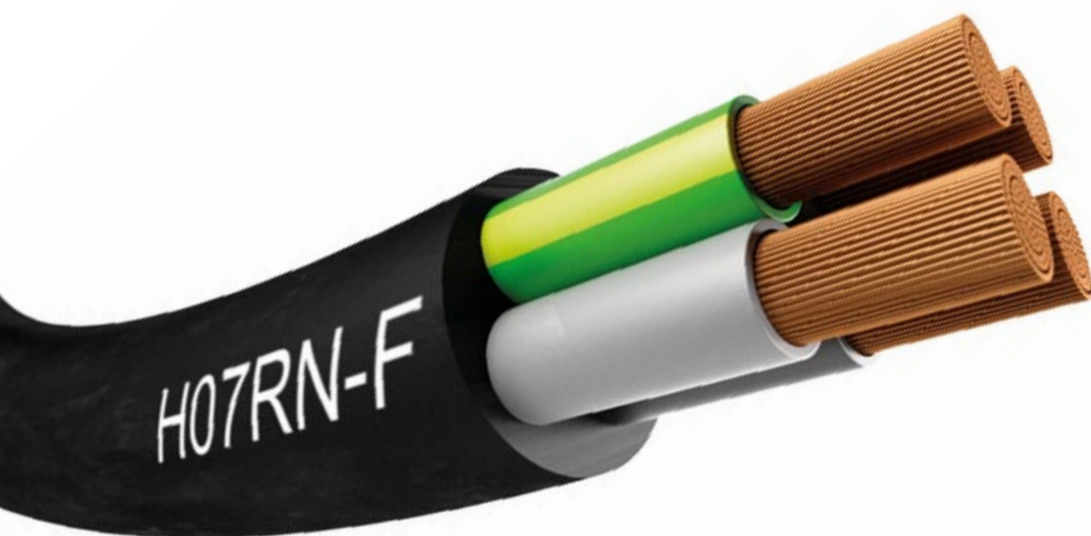
Application

PRYSMIAN H07RN-F can handle medium mechanical stresses and is suitable for use in dry, humid or moist rooms and outdoor for transportable motors or machines on building sites or in agricultural works. Also applicable in fixed installations e.g. temporary buildings for accommodation purposes, and for wiring of constructional components in lifting appliances and machinery. Usage up to 1000 V A/C is permitted.

When used in workshops having an explosive or flammable atmosphere, guidance should be respected with reference to EN 60079 series. The cables are not suitable for applications involving permanent immersion in water. In other aspects the specifications of DIN VDE 0298 part 300 apply. Oil resistant to EN 60811-404. Resistant to ozone (EN 50363-1 for insulation and EN 50363-2-1 for the outer sheath).

MAIN FEATURES

- ✓ Max. conductor temperature in service 90 °C
- ✓ Min. temperature fixed installation -40 °C
- ✓ Impact and abrasion resistant
- ✓ Flexible also at low temperatures
- ✓ Oil resistant in temporary installations
- ✓ Ozone, UV and moisture resistant





PRYSMIAN H07RN-F	
Global data	
Type designation	PRYSMIAN H07RN-F
Standard	EN 50525-2-21
Flame retardancy	EN 60332-1-2
Construction characteristics	
Conductor	Bare copper, class 5
Insulation	EPR (E14)
Core identification	DIN EN 50525-1
Inner sheath (jacket > 2.4 mm thick)	Vulcanized rubber compound (EM3)
Inner sheath colour	Light
Outer sheath	Vulcanized rubber compound (EM3)
Outer sheath colour	Black
Mechanical characteristics	
Mechanical resistance to impact	Good
Cable flexibility	Very flexible
Min. bending radius	acc. to DIN VDE 0298-300
Usage characteristics	
Silicone free	Yes
Lead free	Yes
Moisture resistance	Yes
Chemical resistance	Temporary
Sea water resistance	Good
Oil resistance	Yes
UV resistant	Yes
Ozone resistance	Yes
Operating temperature	-25 °C up to +90 °C
CPR class	E _{ca}
RoHS compliant	Yes
Thermal parameters	
Max. operating temperature of conductor	90 °C
Max. operating temperature of conductor at short-circuit	250 °C
Minimum installation temperature fixed installation	-40 °C
Minimum installation temperature flexible installation	-25 °C

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Available
on drums
and coils.

PRYSMIAN H07RN-F			
Number of cores x cross section	Outer diameter max. [mm]	Weight (approx.) [kg/km]	Short circuit current (1 sec) [kA]
1x16	11.2	243	2.41
1x25	13	350	3.73
1x35	15.3	480	5.19
1x50	17.7	668	7.37
1x70	19.1	886	10.27
1x95	21.3	1130	13.88
1x120	23.7	1431	17.5
1x150	26.2	1771	21.83
1x185	30	2145	26.88
1x240	31	2689	34.8
1x300	36.5	3403	43.44
2x1	8	84	0.18
2x1.5	8.9	107	0.26
2x2.5	10.5	154	0.26
2x4	12.2	212	0.64
3G1	8.6	101	0.18
3G1.5	9.6	129	0.26
3G2.5	11.3	187	0.41
3G4	13.1	260	0.64
3G6	14.6	343	0.94
3G10	19.9	653	1.53
3G16	22.7	799	2.41
4G1	9.5	125	0.18
4G1.5	10.6	160	0.26

PRYSMIAN H07RN-F			
Number of cores x cross section	Outer diameter max. [mm]	Weight (approx.) [kg/km]	Short circuit current (1 sec) [kA]
4G2.5	12.4	233	0.41
4G4	14.3	326	0.64
4G6	16.2	438	0.94
4G10	21.8	734	1.53
4G16	24.8	1013	2.41
4G25	29.6	1496	3.73
4G35	34.7	2029	5.19
4G50	40.2	2815	7.37
4G70	43.5	3720	10.27
4G95	H49	4790	13.88
5G1	10.5	153	0.18
5G1.5	11.6	195	0.26
5G2.5	13.7	282	0.41
5G4	16	403	0.64
5G6	17.7	535	0.94
5G10	24	903	1.53
5G16	27.5	1262	2.41
5G25	32.7	1859	3.73
5G35	38.1	2509	5.19
5G50	42.8	3478	7.37
5G70	48.5	4706	10.27
5G95	54.2	6025	13.88
7G1.5	15	316	0.26
7G2.5	17.4	445	0.41

More cross sections available upon request.
For quotations don't hesitate to contact our sales team.

PRYSMIAN GROUP

Prysmian Kabel und Systeme GmbH
Phone: +49 (0) 30 3675 40

kontakt@prysmiangroup.com



[prysmiangroup.de](https://www.prysmiangroup.de)

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