

Your knight in shining armour.

Prysmian Group H07RN-F will stand up to the elements in the quest of bringing you power.



*A reliable source
in harsh areas.*



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

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, H07RN-F will gallantly persevere as your champion in the pursue of delivering power to harsh areas.

H07RN-F

Application

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 Group H07RN-F	
Global data	
Type designation	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

Please check our homepage: www.prysmiangroup.ro for more details.

Available
on drums
and coils.

Prysmian Group H07RN-F		
Number of cores x cross section	Outer diameter max. mm	Weight (approx.) kg/km
1x240	33.4	2791
2x1.0	8.1	87
2x1.5	9.4	118
3G1.0	8.8	105
3G1.5	9.8	134
3G2.5	11.5	192
4G1.5	10.7	166
4G10	21.9	820
4G16	24.8	1127
4G2.5	12.6	240
4G25	29.6	1663
4G35	34	2235
4G4	14.5	335
4G50	40.2	3149

Prysmian Group H07RN-F		
Number of cores x cross section	Outer diameter max. mm	Weight (approx.) kg/km
4G6	16.3	448
4G70	45.7	4245
4G95	52.3	5522
5G1.5	11.8	201
5G10	24.1	990
5G16	27.5	1379
5G2.5	13.8	290
5G25	32.8	2029
5G35	37.4	2708
5G4	16.2	412
5G50	44.7	3899
5G6	18.2	550
5G70	50.9	5273
5G95	57.9	6815

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

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