general cavi s.p.a.	**07RN-F 450/750V**	TECHNICAL DATA

ENERGY TRANSMISSION RUBBER INSULATED CABLES WITH SPECIAL SHEATH SUITED FOR FIXED LAY, MOBILE LINK AND MECHANICAL SERVICE HEAVY TOO.

CE ***Complies with essential directive requirements of BT 2014/35/UE***

A	***Flexible red copper conductor (class 5, EN 60228).***
B	***Insulation rubber (type EI4 EN 50363).***
C	***Rubber sheath (type EM2 EN 50363).***

STANDARD VOLTAGE:	**450/750V**
VOLTAGE TEST (IEC 60502):	**4000 V**
MAXIMUM RATED NORMAL TEMPERATURE:	**+60°C (+90°C)**
MAXIMUM RATED SHORT CIRCUIT TEMPERATURE:	**+200°C (+250°C)**
FLEXIBILITY:	**HD 22.4**
OIL RESISTANT:	**EN 60811-2-1**

Main features:
This cable is suitable for dry, humid or wet environments (AD6) in open air, in workshops with an explosive atmosphere. When used for connections they are subjected to medium mechanical stress like equipments in industrial and agricultural workshops, great boilers, heating plates, portable lamps, electric tools like drills, circular saws and so on, electric home-tools, motors or transportable generators in construction sites or agricultural plants. It can be used even in fixed laying like floors and temporary construction site.

Special Features in addition to the features of the H07RN-F:

- Insulation tested up to +90°C, includes the characteristics of the H07BN4-F cables and the H07BB-F cables.
- Low Temperature Resistant (-40°C dynamic -50°C static).
- AD8 water resistance 10 bar such as the H07RN8-F.
- OZONE RESISTANT (Test A) and (Test B).
- UV Resistant.
- AG2 Shock Resistant.
- AF3 resistance to mineral oils, fats.
- AK2 resistance atmospheric agents.

How to lay this cable:
Minimum installation and use temperature: -25°C (-40°C);
Min. operating temperature (without mechanical shocks): -40°C

Inner conductor colours (HD 308):
Five cores: Y/G-blue-brown-black-grey

Ink Marking (each 500mm):
year GENERAL CAVI 07RN-F 5G150 internal production data

Core x Cross section	Insulation Medium Thickness	Approx. Sheath Medium Thickness	Approximate Ø	Approximate Weight	Current Rating
[n° x mm²]	[mm]	[mm]	[mm]	[kg/m]	[A]
5G150	1.8	7.0	70.1	8660	311