

LV Cable: HO7RN-F 450/750V CU/ 5*2.5mm²/Rubber/Rubber Technical Sheet

Application	HO7RN-F used for medium and heavy mechanical loads, in dry and wet areas, also outdoor. could be installed under or on plaster, in rock, concrete, but not in pre-stressed concrete. cable suitable for fixed industrial and home installation, for operating conditions with possible fire or explosion hazard, for mobile energy users, machines toll and agricultural machines, for construction site at medium mechanical loads, for large kettles, heating plates, hand lamps, electrical tools such as drills, circular saws and electrical tools for household use, same as for mobile engine or machines on construction sites and craftsman i.e. agricultural plants. permitted fixed laying on crane and machine elements etc. permitted voltages up to 1000v AC at protected laying in tube or devices, and as connecting rotor cable for engines. also suitable for cooling installations. Resistant to oil, ozone and UV irradiation		
Voltage:	450v/750v		
	plain annealed copper by IEC 60228, EPR compound		
Construction:	Insulated, polychloroprene rubber (neoprene) sheathed cable. Conductor operating temperature		
Temprature Rating:	-30 degree C to +60 degree C.		
Conductor Film:	polyester film or Nylon film		
	Advantage:		
	1. Prevent conductor and insulation adhesive.		
	2. Reduce the oxidation process		
	3. Prevent the water or moist air into the conductor		
Insulated:	rubber compound on ethylene-propylene basis (EPM, earlier: EPR), i.e. E14 acc. to DIN VDE 0282 part 1		
Insulated Colour:	Brown, Black, Grey, Yellow & Green		
Sheath Colour:	Black		
Specification:	VDE-0282 part-4, EN60332-1, IEC 60245-4, <HAR> HD22.4 S3		

Specification			5*2.5mm ²
cable brand and Country of Manufacture			DRSKABEL/Turkey
Voltage		KV	0.45/0.75
Application Standard			VDE0282 & IEC 60245
Number of Cores		Nos	5
Conductor			
-Cross sectional Area		mm ²	2.5
-Conductor Shape			Round Flexible Copper Wire
-Dia of Conductor		mm	2.25
Conductor Film			

Conductor Film Material		/	Polyester film
Insulation			
- Material/Color			Rubber/Brown, Black, Grey, Yellow & Green
Minimum Thickness		mm	0.9
Binder			
- Binder Material		/	Rubber Filler & Rubber roper
Outer Covering		/	Rubber/Black
Material /Color			
Minimum Thickness		mm	2.0
Finished Cable			
- Overall dia. of Cable		mm	13.96
- Appr. Weight		kg/km	345
- Working Temperature		degree C	30 degree C to +60 degree C.
- The temperature when short circuit can be achieved		degree C	200
- Max. D.C. Resistance of 6mm² at 20 degree C		Q/km	7.98
Current Rating			
- In air		A	25
- Direct in Soil(A)		A	30
Conductor Voltage A.C of Testing		KV/5min	2.5