

LV Cable: HO7RN-F 450/750V CU/5\*4mm<sup>2</sup>/Rubber/Rubber Technical Sheet

<b>Application</b>	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		
<b>Voltage:</b>	450v/750v		
	plain annealed copper by IEC 60228, EPR compound		
<b>Construction:</b>	Insulated, polychloroprene rubber (neoprene) sheathed cable. Conductor operating temperature		
<b>Temprature Rating:</b>	-30 degree C to +60 degree C.		
<b>Conductor Film:</b>	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		
<b>Insulated:</b>	rubber compound on ethylene-propylene basis (EPM, earlier: EPR), i.e. EI4 acc. to DIN VDE 0282 part 1		
<b>Insulated Colour:</b>	Brown, Black, Grey, Yellow & Green		
<b>Sheath Colour:</b>	Black		
<b>Specification:</b>	VDE-0282 part-4, EN60332-1, IEC 60245-4, <HAR> HD22.4 S3		
<b>Specification</b>			5*4mm <sup>2</sup>
<b>cable brand and Country of Manufacture</b>			DRSKABEL/Turkey
<b>Voltage</b>		KV	0.45/0.75
<b>Application Standard</b>			VDE0282 & IEC 60245
<b>Number of Cores</b>		Nos	5
<b>Conductor</b>			
<b>-Cross sectional Area</b>		mm <sup>2</sup>	4
<b>-Conductor Shape</b>			Round Flexible Copper Wire
<b>-Dia of Conductor</b>		mm	2.6
<b>Conductor Film</b>			

<b>Conductor Film Material</b>		/	Polyester film
<b>Insulation</b>			
<b>- Material/Color</b>			Rubber/Brown, Black, Grey, Yellow & Green
<b>Minimum Thickness</b>		mm	1.0
<b>Binder</b>			
<b>- Binder Material</b>		/	Rubber Filler & Rubber roper
<b>Outer Covering</b>		/	Rubber/Black
<b>Material /Color</b>			
<b>Minimum Thickness</b>		mm	2.2
<b>Finished Cable</b>			
<b>- Overall dia. of Cable</b>		mm	16.26
<b>- Appr. Weight</b>		kg/km	395
<b>- Working Temperature</b>		degree C	30 degree C to +60 degree C.
<b>- The temperature when short circuit can be achieved</b>		degree C	200
<b>- Max. D.C. Resistance of 6mm<sup>2</sup> at 20 degree C</b>		Q/km	4.95
<b>Current Rating</b>			
<b>- In air</b>		A	40
<b>- Direct in Soil(A)</b>		A	50
<b>Conductor Voltage A.C of Testing</b>		KV/5min	2.5