



DATA SHEET	1600xxx
RUBBER INSULATED CABLE H07RN-F	valid from : 12.01.2007

Application

H07RN-F is a heavy duty rubber sheathed cable for use on heavy appliance such as tool and agricultural machinery subject to high levels of stress in premises exposed to dry and damp conditions as well as in the open air and wet industrial environments. Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm² is not allowed. Assembly of rubber insulated cables (only the **single core** cable H07RN-F) in acc. to VDE 0282 part 4 they are recognized as short-circuit and earth-fault proof in acc. to VDE 0100 part 520.

Design

	in acc. to HD 22.4 S4 that is VDE 0282 part 4
Conductor	copper, fine wire strand in accordance to IEC 60228 that is VDE 0295, class 5
Core insulation	rubber compound EI4 in acc. to HD 22.1 that is VDE 0282 part 1
Identification	in acc. to VDE 0293-1, with up to 5 cores are coloured-coded in acc. to HD 308 S2 that is VDE 0293-308; cables with more than 7 cores black cores with white numbers with gn/ye ground conductor in acc. to DIN EN 50334 that is VDE 0293 part 334
Outer sheath	rubber compound EM2 in acc. to HD 22.1 that is VDE 0282 part 1
Colour outer sheath	black

Electrical properties at 20° C

Nominal voltage	450 / 750 V
Test voltage	2500 V AC

Mechanical and thermal properties

Temp. range	for fixed installation and handling: -25 up to + 60° C max. conductor temperature
Min. bending radius	for flexible use: 6 x cable diameter
Flame retardant	in acc. to IEC 60332-1-2 resp. VDE 0482 part 332-1-2
Approvals	H07RN-F in acc. to HD 22.4 S4 that is VDE 0282 part 4
Tests	in acc. to VDE 0472 and IEC 60811-x.x that is VDE 0473

The cable is indicated with the ◁ HAR ▷ sign or a tracer thread.

EC directive this cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K: H.Schillinger / M. Herb	Document: DB1600199EN	page 1 of 1
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