






















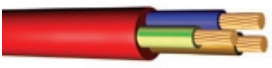





RUBBER INSULATED CABLES



	Designation	Standard	Nominal voltage [V]	Number of cores	Cross sections [mm ²]	Application
CABLES IN RUBBER						
	Type 4	BS 6195	Category A, C, D, E, F	1	0.75÷400	Single cores flame retardant composite rubber insulated cables for coil lead.
	H05RNH2-F	DIN VDE 0282-8	300/500	2	1.5÷2.5	Cables for decorative chains used for lamp-holder for indoor and outdoor use Flat two core cables for temporary decorative illumination only.
	H05RR-F	DIN VDE 0282-4 BS 6500 BS 7919 NF C 32-102-4	300/500	2	0.75÷2.5	In domestic premises, kitchens and offices for supplying portable or light mobile appliances which are subject to low mechanical stresses (e.g. vacuum cleaners, electric irons cooking appliances). Not suitable for permanent use outdoors, in agriculture, in industrial.
				3÷4	0.75÷6	
				5	0.75÷2.5	
	H05RN-F	DIN VDE 0282-4 BS 6500 NF C 32-102-4	300/500	2÷3	0.75÷1	In domestic premises, kitchens and offices for supplying portable or light mobile appliances which are subject to low mechanical stresses (e.g. vacuum cleaners, electric irons cooking appliances). Also suitable for permanent use outdoors for ordinary duty applications.
	H05RN-F	DIN-VDE 0282-8	300/500	1	0.75÷1.5	
	H07RN-F	DIN VDE 0282-4 BS 7919 NF C 32-102-4	450/750	1	1.5÷500	Heavy-duty flexible cables are suited for use for medium mechanical stress in dry, damp and wet areas as well as in open air in agriculture plants, eg. for industrial and agricultural workshop appliances, large boiling installations, heating plates, inspections lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or machines on building sites or in agricultural workings etc.
				2	1÷25	
				3	1÷240	
				4	1÷185	
				5	1÷25	
				6÷36 6÷18	1.5÷2.5 4	
	H05BB-F	DIN VDE 0282-12 BS 6500, BS 7919	300/500	2	0.75÷2.5	For general use in domestic premises, kitchens and offices and for supplying appliances where the cables are subjected to low mechanical stresses (eg., cooking appliances, soldering irons, toasters). Suitable for use at maximum conductor temperature of 90°C and at a minimum temperature of -40°C.
				3÷4	0.75÷6	
				5	0.75÷2.5	
	H07BB-F	DIN VDE 0282-12 BS 7919	450/750	1	1.5÷500	In dry, humid or moist rooms, in open air, in workshops; for medium mechanical stresses, eg. for industrial and agricultural workshop appliances, large boiling installations, heating plates, inspection lamps, electrical tools such as drills, circular saws, domestic electric tools, and also for transportable motors or machines on building sites or in agricultural workings, etc. Also for low temperature outdoor use with caravans, car heaters and at camping sites. Suitable for use at maximum conductor temperature of 90°C and at a minimum temperature of -40°C.
				2	1÷25	
				3	1÷300	
				4	1÷300	
				5	1÷25	
	H05BN4-F	DIN VDE 0282-12BS 6500	300/500	2÷3	0.5÷2.5	85°C EPR insulated and HOFR sheathed flexible cords in domestic premises, kitchens and offices. Suitable for hot situations (e.g. night storage heaters, immersion heaters) and for situations involving contact with oils and grease. Suitable for use at maximum conductor temperature of 90°C.
	UK Ref. 318*TQ			4	0.75÷2.5	
	H07BN4-F	BS 6007 BS 7919	450/750	1	1.5÷500	
				2	1÷25	
				3	1÷240	
				4	1÷185	
				5	1÷25	
				12÷36	1.5÷2.5	

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CABLES IN RUBBER						
	05SN4-F	BS 6500 DIN VDE 0282-12	300/500	2+3 4	0.5+2.5 0.75+2.5	Silicone rubber insulated and CPE sheathed flexible cords are especially recommended for use in installation of recessed luminaires, lighting fittings where conductor insulation is exposed to high ambient temperature, UV and infra red radiation, where heat dissipation is inhibited.
	H07ZZ-F	DIN VDE 0282-13 BS 7919	450/750	1 2 3+4 4 5 7	1.5+500 1+25 1+185 1+185 1+25 1.5+2.5	For indoor and temporary outdoor, particularly for situations in which low emission of smoke and corrosive gases is required in the case of burning. The defined tests for smoke and corrosive gases relate only to the cables, and not to cable and conduit together.
	H07RN8-F	DIN VDE 0282-16	450/750	1 2 3 4 5 6+36 6+18	1.5+500 1+25 1+240 1+185 1+25 1.5+2.5 4	These cables are ideal for the connection of submersible motor pumps for construction site drainage down to a water depth of about 10 m and a maximum water temperature up to 40°C. They are able to withstand medium mechanical stresses and can also be permanently laid, e.g. on walls, floors, machinery and towers. Unsuitable for under-water power transmission or installation in a waterway.
	NSHTÖÜ	DIN VDE 0250-814	600/1000	3+4 5 7+18	1.5+150 70 1.5+4	Trailing cables used for high mechanical stress, especially for applications with frequent winding and unwinding with simultaneous tensile and torsional stress, for building machinery, conveyors, shifts and cranes.
	NSGAFÖÜ	DIN VDE 0250-602	0,6/1 kV 1,8/3 kV 3,6/6 kV	1	1.5+400	Special rubber insulated cable especially suitable as short-circuit rating in rail-coaches and buses, as well as in day rooms. In switching systems and distributors, these cables are considered to be short-circuit up to 1000V and earth-fault safe.
	NSGAFÖÜ					
	NSSHÖÜ	DIN VDE 0250-812	600/1000	1 2 3+4 5	1.5+400 1.5+120 1+185 1.5+70	Rubber insulated flexible cables with or without protective conductors for the connection of mobile equipment and machines under very high mechanical loads in dry and damp areas, outdoors and in explosion hazard areas, particularly in mining, and at quarries and building sites.
	NSSHCÖÜ			6+7 8+12	1.5+50 1.5+4	
	R(N)TSCGEWOU (N)TSCGEWOU	DIN VDE 0250-813	3,6/6 kV +18/30kV	3	25+3x25/3 +3x185 +3x95/3	For the connection of large mobile equipment such excavators and spreaders for surface mining and for installation along conveyor systems with very high mechanical stress.
	658-FR	BS 7917 1999	150/250 600/1000	1 PR+10 PR 2c+27 cores	0.75+1.5 1.5+16.0	For electrical and electronic equipment of ships. Flame retardant.
	0361 TQ	BS 638 1996	300	1c	16.0+240	For use between the welding equipment and the hand electrode
	H07BN4-F	BS 7919 2001	450/750	1c+5 cores	4.0+630	Heavy duty heat resisting flexible cables for use at temperature of conductor 90 deg C with medium

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WELDING CABLES (see also on page 28)						
	H01N2-D	DIN VDE 0282-6 NF C 32-510 BS 638	100/100	1	10÷185	For use between the welding generator and the hand electrode and the workpiece, in the automobile industry in shipbuilding, in transport and conveyor systems, tool making machinery, welding robots etc.
	H01N2-E					
RUBBER, HEAT RESISTING SINGLE CORE NON-SHEATHED CABLES						
	SID	Refer to individual product descriptions	300/500	1	0.5÷6	Single core silicone insulated cables for use in situations, where heat or the interaction of extremely high and low temperatures rapidly causes cable insulation to become brittle and inflexible. In normal use the maximum permissible conductor temperature is 180°C.
	SIF			1	0.25÷120	
	H05S-U	DIN VDE 0282-3 BS 6007 NF-C 32-102-3	300/500	1	0.5÷2.5	
	H05S-K					
RUBBER, HEAT RESISTING SHEATHED CABLES						
	SIHF	Adapted to DIN VDE 0250-816	300/500	2÷5	0.5÷16	Silicone cables were evolved for use wherever insulation is subjected to extreme temperature changes. They are heat-resistant up to 180°C, for short time operation up to 250°C. These cables have become an essential element in a wide range of industrial sectors, including foundries, steel and hot-rolling mills, cooking plants, in electric motor, ship and aircraft construction, on extruders, in heating and lighting systems, bakery machinery, oil burners, solaria and in many other areas.
	H05SS-F	BS 7919	300/500	2 3÷4 5	0.75÷2.5 0.75÷4 0.75÷2.5	
PUR - SHEATHED CABLES						
	H05BQ-F	DIN VDE 0282-10 BS 7919	300/500	2÷5	0.75÷1	PUR-sheathed flexible cables are used for high mechanical stress, especially for scouring and dragging stress, for use in dry, damp and wet places as well for performance in open air and also for the connection of electronic tools and lights on construction sites or in agricultural plants. Suitable for fixed installation on the surface of plaster, housing, provisional buildings, on machines cranes etc.
	05BQ-F			6÷24	0.75÷1	
	H07BQ-F	DIN VDE 0282-10 BS 7919	450/750	2÷5	1.5÷16	
	07BQ-F			7÷24	1.5÷2.5	
	NYMH11YÖ	DIN VDE 0250-407	300/500	2÷5	0.75÷2.5	PVC insulated and PUR sheathed flexible cables for power installation.