



RUBBER INSULATED CABLES

Application

Rubber was the first material to be used as insulation and harness material for cables long before polyvinyl chloride and polyethylene became common applications. It remains widely used for industrial and domestic purposes, such as in the following:

Oil & gas sectors
Renewable energy
Docks & dockyards
Airfields
Mining industry
Petrochemical manufacturers
Refineries
Shipbuilding & Marine
Industrial plants & factories

Rubber is a great material for insulated cables. It has superior insulation in a wide range of temperatures, as well as being water resistant. Rubber cables are especially useful in environments with a high risk of mechanical damage, like being used as trailing lead. They resist abrasion and weathering, so they can handle harsher environments.

Rubber cables are also constructed in a way to provide excellent resistance against oils and other corrosive and noncorrosive chemicals.

Other characteristics of our rubber insulated cables include:

Outstanding flexibility
Excellent electrical insulation properties
Outstanding chemical stability;
Satisfactorily physical and mechanical properties
Durability and wear resistance;
Oil resistance and flame retardancy
100 percent waterproof

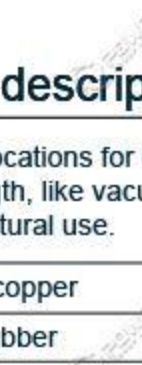


OUR ADVANTAGES



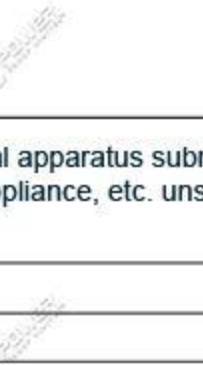
EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITIES PERMIT US TO COPE WITH YOUR REQUEST ON A SHORT NOTICE AND EFFECTIVELY.



NO PRICE FIGHTS

WE ESCAPED THE CLASSICAL REBATE UNTIL YOU DROP " POLICY. WE ARE PRICE WISE SINCE THE BEGINNING



HIGH LEVEL EXPERIENCE

OUR TECHNICAL CAPABILITIES HAVE BEEN TESTED FOR MORE THAN 30 YEARS AND IN DIRECT CONNECTION WITH END USERS. SO TODAY



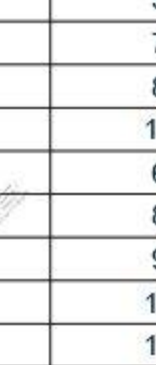
ENDLESS INVESTIGATION

WE CONTINUOUSLY MEASURE EVERYTHING TEST , TEST AND TEST AGAIN. THIS HELPS US UNDERSTAND RISKS AND REWARDS. AND BE PREPARED



NO FORTUNE TELLER

WE BASE OUR DECISIONS ON CLEAR BUSINESS PLANS , THINKING BEFORE MAKING OUR STEPS AND KEEPING- GA'NOTTODD LIST FOR EVERY-ONE OF THEM



TEAM BUILDING

OUR TEAMS MADE NOT ONLY BY OUR STAFF BUT ALSO INCLUDES ALL OUR CUSTOMERS. WE'VE LIKE A TEAM WE'VE LIKE A TEAM WE'VE LIKE A TEAM

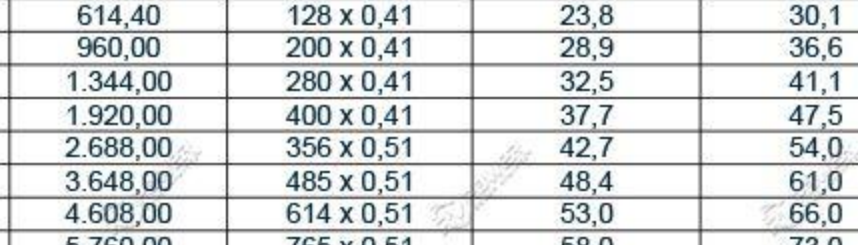
H05RR-F | RUBBER SHEATHED CABLE FOR WEAK MECHANICAL STRESS



Item descriptions

Application:	For general use in dry locations for connections of electrical apparatus submitted to weak mechanical strength, like vacuum cleaner, kitchen appliance, etc. unsuitable for industrial and agricultural use.				
Construction:	1.....fine-stranded bare copper				
	2.....core insulation of rubber				
	3.....outer sheath of ordinary ethylene propylene rubber, black				
Standards:	DIN VDE 0282-4 DIN EN 60228 class 5				
Technical data:					
Nominal voltage Uo/U		[V]		300 / 500 Volt	
Test voltage		[V]AC		2000	
Temperature range	in motion			-25°C till +60°C	
Operating temperature	short circuit	°C		200	
Short circuit time	max.	[sec]		5	
Bending radius	one time / fixed	x diameter		4	
	in motion	x diameter		8	
Flammability	standard			EN 60332-1-2	
Number of cores and nominal cross section mm²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km	
2 X 0,75	14,40	24 x 0,21	6,2	56	
3 G 0,75	21,60	24 x 0,21	6,7	72	
4 G 0,75	28,80	24 x 0,21	7,3	86	
5 G 0,75	36,00	24 x 0,21	8,2	109	
2 X 1	19,20	32 x 0,21	6,8	68	
3 G 1	28,80	32 x 0,21	7,2	82	
4 G 1	38,40	32 x 0,21	7,8	98	
2 X 1,5	28,80	30 x 0,26	8,2	101	
3 G 1,5	43,20	30 x 0,26	8,8	120	
4 G 1,5	57,60	30 x 0,26	9,8	155	
5 G 1,5	72,00	30 x 0,26	10,7	185	
2 X 2,5	48,00	50 x 0,26	9,7	145	
3 G 2,5	72,00	50 x 0,26	10,2	180	
4 G 2,5	96,00	50 x 0,26	11,2	225	
5 G 2,5	120,00	50 x 0,26	12,7	282	

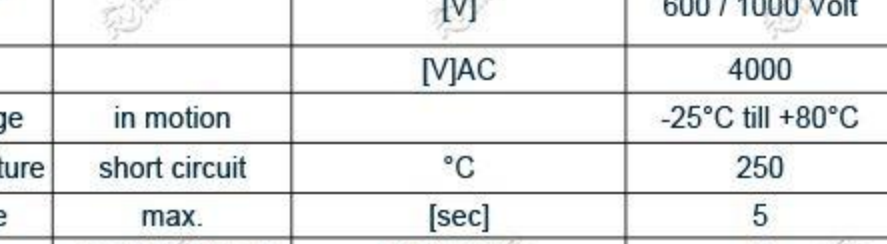
H07RN-F | RUBBER SHEATHED CABLE FOR MEDIUM-LEVEL MECHANICAL STRESS



Item descriptions

Application:	For general use in dry, humid and wet locations, for outdoor use, for agricultural applications or in locations subject to explosion hazards. Also suitable for connections of industrial and workshop electrical equipment submitted to medium-level mechanical stress. It can be used for fixed installations in temporary buildings as well as for connections of mobile machines and hoists.				
Construction:	1.....fine-stranded bare copper				
	2.....EPR rubber insulation				
	3.....outer sheath of polychloroprene compound (EM2), black, abrasion and oil resistant, flame retardant, special colours on enquiry				
Standards:	DIN VDE 0282-4 DIN EN 60228 class 5 (construction)				
Technical data:					
Nominal voltage Uo/U		[V]		450 / 750 Volt	
Test voltage		[V]AC		2500	
Temperature range	in motion			-25°C till +60°C	
Operating temperature	short circuit	°C		200	
Short circuit time	max.	[sec]		5	
Bending radius	one time / fixed	x diameter		4	
	in motion	x diameter		8	
Oil-resistant	standard			EN 60811-2-1	
Flammability	standard			EN 60332-1-2	
Number of cores and nominal cross section mm²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
1 X 1,5	14,40	30 x 0,26	5,7	7,1	50
1 X 2,5	24,00	50 x 0,31	6,3	7,9	66
1 X 4	38,40	56 x 0,31	7,2	9,0	94
1 X 6	57,60	84 x 0,31	7,9	9,8	109
1 X 10	96,00	84 x 0,31	9,5	11,9	182
1 X 16	153,60	128 x 0,41	10,8	13,4	256
1 X 25	240,00	200 x 0,41	12,7	15,8	369
1 X 35	336,00	280 x 0,41	14,3	17,9	482
1 X 50	480,00	400 x 0,41	16,5	20,6	662
1 X 70	672,00	356 x 0,51	18,6	23,3	895
1 X 95	912,00	485 x 0,51	20,8	26,0	1.16
Number of cores and nominal cross section mm²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
1 X 120	1.152,00	614 x 0,51	22,8	28,6	1.43
1 X 150	1.440,00	765 x 0,51	25,2	31,4	1.74
1 X 185	1.776,00	944 x 0,51	27,6	34,4	2.16
1 X 240	2.304,00	1225 x 0,51	30,6	38,3	2.73
1 X 300	2.880,00	1530 x 0,50	33,5	41,9	3.48
2 X 1	19,20	32 x 0,20	7,7	10,0	99
2 X 1,5	28,80	30 x 0,26	8,5	11,0	111
2 X 2,5	48,00	50 x 0,26	10,2	13,1	161
2 X 4	76,80	56 x 0,31	11,8	15,1	238
2 X 6	115,20	84 x 0,31	13,1	16,8	279
3 G 1	28,80	32 x 0,21	8,3	10,7	117
3 G 1,5	43,20	30 x 0,26	9,2	11,9	134
3 G 2,5	72,00	50 x 0,26	10,9	14,0	195
3 G 4	115,20	56 x 0,31	12,7	16,2	290
3 G 6	172,80	84 x 0,31	15,7	18,0	346
3 G 10	288,00	80 x 0,41	19,1	24,2	663
3 G 35	1.008,00	280 x 0,41	29,3	37,1	1.76
3 G 50	1.440,00	400 x 0,41	34,1	42,9	2.39
4 G 1,5	57,60	30 x 0,26	10,2	13,1	165
4 G 2,5	96,00	50 x 0,26	12,5	15,5	245
4 G 4	153,60	56 x 0,31	14,0	18,0	357
4 G 6	230,40	84 x 0,31	15,7	20,0	443
4 G 10	384,00	80 x 0,41	20,8	26,5	818
4 G 16	614,40	128 x 0,41	23,8	30,1	1.15
4 G 25	960,00	200 x 0,41	28,9	36,6	1.7
4 G 35	1.344,00	280 x 0,41	32,5	41,1	2.18
4 G 50	1.920,00	400 x 0,41	37,7	47,5	3.03
4 G 70	2.688,00	356 x 0,51	42,7	54,0	3.99
4 G 95	3.648,00	485 x 0,51	48,4	61,2	5.36
4 G 120	4.608,00	614 x 0,51	53,0	66,0	6.5
4 G 150	5.760,00	765 x 0,51	58,0	73,0	7.99
4 G 185	7.104,00	944 x 0,51	64,0	80,0	9.91
4 G 240	9.216,00	1225 x 0,51	72,0	91,0	12.8
5 G 1,5	72,00	30 x 0,26	11,2	14,4	238
5 G 2,5	120,00	50 x 0,26	13,3	17,0	297
5 G 4	192,00	56 x 0,31	15,6	19,2	453
5 G 6	288,00	84 x 0,31	17,5	22,2	567
5 G 10	480,00	80 x 0,41	22,9	29,1	1.001
5 G 16	768,00	128 x 0,41	26,4	33,3	1.43
5 G 25	1.200,00	200 x 0,41	32,0	40,4	2.096
5 G 35	1.680,00	280 x 0,41	44,0	50,0	3.008
5 G 50	2.400,00	400 x 0,41	51,0	58,0	4.39
5 G 70	3.360,00	356 x 0,51	60,0	67,0	5.296
5 G 95	4.608,00	485 x 0,51	69,0	78,0	7.25
5 G 120	5.760,00	614 x 0,51	76,0	86,0	8.26
7 G 1,5	106,80	30 x 0,26	14,7	17,0	342
7 G 1,5	172,80	30 x 0,26	18,6	22,2	510
19 G 1,5	273,60	30 x 0,26	23,0	29,0	630
24 G 1,5	343,60	30 x 0,26	24,3	30,7	1
27 G 1,5	388,80	30 x 0,26	23,6	32,0	1.077
7 G 2,5	182,00	50 x 0,26	16,9	20,0	443
12 G 2,5	288,00	50 x 0,26	21,1	24,6	799
19 G 2,5	456,00	50 x 0,26	24,5	28,0	1
24 G 2,5	576,00	50 x 0,26	27,3	32,5	1.25
7 G 4	268,80	56 x 0,31	19,6	21,5	703

NSSHÖU RUBBER SHEATHED CABLE FOR HIGH MECHANICAL STRESS



Item descriptions

Flammability	standard		EN 60332-1-2	
Number of cores and nominal cross section mm²	Copper figure kg/km	Cond. construction (appr. value)mm	Overall diameter appr. mm	Weight appr. kg / km
1 x 25	240,00	200 x 0,41	12,9	350
1 x 35	336,00	280 x 0,41	13,6	446
1 x 50	480,00	400 x 0,41	16,0	618
1 x 70	672,00	356 x 0,51	18,2	838
1 x 95	912,00	485 x 0,51	20,7	1.082
1 x 120	1.152,00	614 x 0,51	22,4	1.35
1 x 150	1.440,00	765 x 0,51	24,6	1.66
1 x 185	1.776,00	944 x 0,51	28,3	2.067
1 x 240	2.304,00	1225 x 0,51	30,2	2.621
3 x 1,5	43,20	30 x 0,26	11,5	184
3 x 2,5	72,00	50 x 0,26	12,9	245
3 x 70/35	2.352,00	356 x 0,51	42,2	3.775
3 x 95/50	3.216,00	485 x 0,51	50,2	5.116
3 x 120/70	4.128,00	614 x 0,50	55,0	6.388
4 x 1,5	57,60	30 x 0,26	12,2	213
4 x 2,5	96,00	50 x 0,26	15,1	328
Number of cores and nominal cross section mm²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Weight appr. kg / km
4 x 4	153,60	56 x 0,31	16,7	423
4 x 6	230,40	84 x 0,31	18,1	530
4 x 10	384,00	80 x 0,41	22,3	832
4 x 16	614,40	128 x 0,41	26,3	1.198
4 x 25	960,00	200 x 0,41	31,5	1.771
4 x 35	1.344,00	280 x 0,41	33,2	2.196
4 x 50	1.920,00	400 x 0,41	40,4	3.16
4 x 70	2.688,00	356 x 0,51	44,8	4.115
4 x 95	3.648,00	485 x 0,51	52,6	5.516
4 x 120	4.608,00	614 x 0,51	57,0	6.815
5 x 1,5	72,00	30 x 0,26	13,1	249
5 x 2,5	120,00	50 x 0,26	16,1	384
5 x 4	192,00	56 x 0,31	17,9	501
5 x 6	288,00	84 x 0,31	20,3	672
5 x 10	480,00	80 x 0,41	24,2	1.001
5 x 16	768,00	128 x 0,41	28,4	1.445
5 x 25	1.200,00	200 x 0,41	34,1	2.14
5 x 35	1.680,00	280 x 0,41	37,4	2.791
7 x 1,5	100,80	30 x 0,26	16,1	370
7 x 2,5	168,00	50 x 0,26	18,3	504
10 x 1,5	144,00	30 x 0,26	19,0	490
12 x 2,5	288,00	50 x 0,26	22,3	733
18 x 2,5	432,00	50 x 0,26	26,4	1.055

RUBBER INSULATED CABLES

DETAIL DISPLAY

ONE

OXYGEN FREE
PURE COOPER