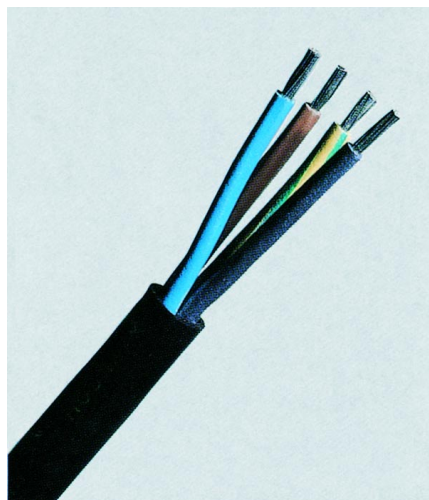


H05RR-F (GML)

Rubber Sheathed Cable for Weak Mechanical Stress

according to DIN VDE 0282-4 / ÖVE - K40-4



Construction

Fine-stranded tinned or bare copper conductor, core insulation of rubber, cores are stranded, outer sheath of ordinary ethylene propylene rubber (NR), black.

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.

Temperature range

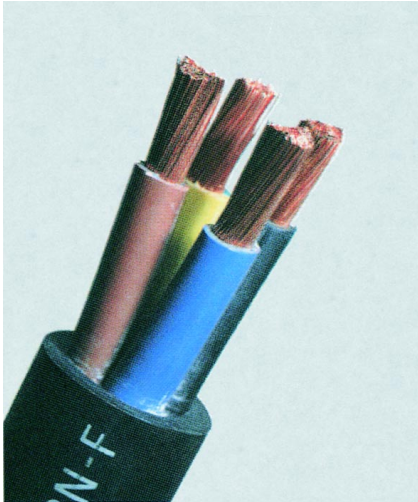
- 20°C till + 60°C

Core number and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
H05RR-F 300/500 V					
2 x 0,75	733,48	15,0	24 x 0,21	6,2	61
2 x 1	906,98	20,0	32 x 0,21	6,8	73
2 x 1,5	1.041,06	30,0	30 x 0,26	8,2	115
2 x 2,5	1.766,79	50,0	50 x 0,26	9,5	160
H05RR-F 300/500 V					
3 G 0,75	918,51	22,5	24 x 0,21	6,8	75
3 G 1	1.114,08	30,0	32 x 0,21	7,2	86
3 G 1,5	1.344,25	45,0	30 x 0,26	8,7	135
3 G 2,5	2.006,17	75,0	50 x 0,26	10,4	190
4 G 0,75	1.293,93	30,0	24 x 0,21	7,4	91
4 G 1	1.529,95	40,0	32 x 0,21	7,9	105
4 G 1,5	1.748,51	60,0	30 x 0,26	9,7	165
4 G 2,5	2.530,96	100,0	50 x 0,26	11,6	235
5 G 0,75	1.592,24	37,5	24 x 0,21	9,5	100
5 G 1,5	2.158,49	75,0	30 x 0,26	10,6	190
5 G 2,5	3.126,66	125,0	50 x 0,26	12,9	285

H07RN-F (GMSuö)
A07RN-F (GMSuö)

Rubber Sheathed Cable for Medium-Level Mechanical Stress

according to DIN VDE 0282-4 / ÖVE - K40-4



Construction

Fine-stranded tinned or bare copper conductor, EPR rubber insulation, cores are stranded for the multicore types, outer sheath of polychloroprene compound (EM2), black, abrasion and oil resistant, flame retardant.

Application

For general use in dry, humid and wet locations, for outdoor use, for agricultural applications or in locations subject to fire and explosion hazards. Also suitable for connections of industrial and workshop electrical equipment submitted to medium-level mechanical stress.

Can be used for fixed installations in temporary buildings as well as for connections of mobile machines and hoists.

Temperature range

In motion - 25°C till + 60°C

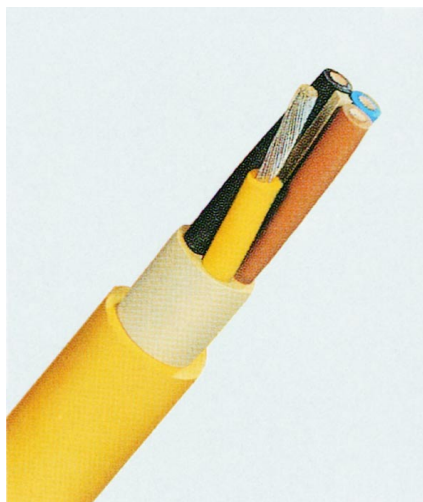
For fixed installation - 40°C till + 60°C

Number of cores and nominal cross section	Price	Copper figure	Cond. construction (approx. value)	Overall diameter		Weight ca.
				min. value	max. value	
mm ²	EUR / km	kg / km	mm	ca. mm		kg / km
H07RN-F 450/750 V						
1 x 1,5	756,60	15	30 x 0,26	5,8	7,2	59
1 x 2,5	1.050,54	25	50 x 0,26	6,4	8,0	72
1 x 4	1.304,20	40	56 x 0,31	7,4	9,0	99
1 x 6	1.603,82	60	84 x 0,31	8,0	11,0	130
1 x 10	2.640,29	100	80 x 0,41	9,8	12,5	230
1 x 16	3.607,80	160	128 x 0,41	11,0	14,5	320
1 x 25	5.191,82	250	200 x 0,41	12,5	16,5	450
1 x 35	6.939,11	350	280 x 0,41	14,0	18,5	605
1 x 50	9.458,99	500	400 x 0,41	16,5	21,0	825
1 x 70	13.218,04	700	356 x 0,51	18,5	23,5	1090
1 x 95	17.054,51	950	485 x 0,51	21,0	26,0	1405
1 x 120	20.319,46	1200	614 x 0,51	23,5	28,5	1745
1 x 150	25.437,99	1500	765 x 0,51	26,0	31,5	2130
1 x 185	31.775,00	1850	944 x 0,51	27,5	34,5	2420
1 x 240	41.180,57	2400	1225 x 0,51	30,5	38,0	2980
2 x 1,5	1.744,17	30	30 x 0,26	9,0	11,5	135
2 x 2,5	2.487,58	50	50 x 0,26	10,5	13,5	195
2 x 4	3.588,85	80	56 x 0,31	12,0	15,0	270
2 x 6	4.604,62	120	84 x 0,31	13,5	18,5	350
3 G 1	1.579,46	30	32 x 0,21	8,6	11,5	130
3 G 1,5	1.878,18	45	30 x 0,26	9,6	12,5	165
3 G 2,5	2.704,70	75	50 x 0,26	11,5	14,5	235
3 G 4	3.767,62	120	56 x 0,31	13,0	16,0	320
3 G 6	4.980,90	180	84 x 0,31	14,5	20,0	495
3 G 10	8.605,38	300	80 x 0,41	20,0	25,5	880

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter		Weight ca. kg / km
				min. value ca. mm	max. value ca. mm	
H07RN-F 450/750 V						
4 G 1,5	2.348,04	60	30 x 0,26	10,5	13,5	200
4 G 2,5	3.320,52	100	50 x 0,26	12,5	15,5	290
4 G 4	4.733,32	160	56 x 0,31	14,5	18,0	395
4 G 6	6.424,75	240	84 x 0,31	16,5	22,0	610
4 G 10	9.211,81	400	80 x 0,41	21,5	28,0	1060
4 G 16	13.282,56	640	128 x 0,41	24,5	32,0	1345
4 G 25	20.056,56	1000	200 x 0,41	29,5	37,5	1995
4 G 35	26.963,30	1400	280 x 0,41	33,0	42,0	2645
4 G 50	36.493,11	2000	400 x 0,41	38,0	48,5	3635
4 G 70	51.633,06	2800	356 x 0,51	43,0	54,5	4830
4 G 95	68.478,57	3800	485 x 0,51	49,0	60,5	6320
4 G 120	87.538,57	4800	614 x 0,51	53,0	65,5	7500
4 G 150	120.180,65	6000	765 x 0,51	58,5	74,0	9230
5 G 1,5	2.951,66	75	30 x 0,26	11,5	15,0	240
5 G 2,5	4.316,73	125	50 x 0,26	13,5	17,0	345
5 G 4	6.133,97	200	56 x 0,31	16,0	19,5	485
5 G 6	7.786,73	300	84 x 0,31	18,0	24,5	760
5 G 10	13.467,19	500	80 x 0,41	24,0	30,5	1300
5 G 16	17.533,16	800	128 x 0,41	27,0	35,5	1680
5 G 25	30.327,44	1250	200 x 0,41	32,5	41,5	2470
5 G 35	39.748,62	1750	280 x 0,41	37,0	50,0	3008
5 G 50	59.039,24	2500	400 x 0,41	42,5	58,0	4390
7 G 1,5	6.039,56	105	30 x 0,26	14,0	17,0	342
9 G 1,5	9.010,98	135	30 x 0,26	16,0	18,5	428
12 G 1,5	9.961,91	180	30 x 0,26	18,0	20,5	505
19 G 1,5	15.744,39	285	30 x 0,26	21,5	24,0	620
24 G 1,5	19.580,64	360	30 x 0,26	25,0	28,0	750
27 G 1,5	21.361,98	405	30 x 0,26	25,5	28,5	1077
7 G 2,5	7.918,09	175	50 x 0,26	16,0	19,0	485
12 G 2,5	14.847,39	300	50 x 0,26	21,0	24,0	799
19 G 2,5	21.048,32	475	50 x 0,26	25,0	29,0	1100
24 G 2,5	30.078,85	600	50 x 0,26	29,5	32,5	1250
7 G 4	14.557,89	280	56 x 0,31	19,0	21,5	703
12 G 4	21.508,62	480	56 x 0,31	25,0	28,0	1020
A07RN-F 450/750 V						
3 x 1,5	2.751,73	45	30 x 0,26	9,6	12,5	165
3 x 2,5	3.091,28	75	50 x 0,26	11,5	14,5	235
3 x 4	4.553,17	120	56 x 0,31	13,0	16,0	320
3 x 6	6.034,28	180	84 x 0,31	14,5	20,0	495
3 x 10	10.425,24	300	80 x 0,41	20,0	25,5	880
3 x 16	13.031,50	480	128 x 0,41	22,5	29,5	1090
3 x 25	18.879,26	750	200 x 0,41	26,5	34,0	1585
3 x 35	25.372,98	1050	280 x 0,41	29,5	38,0	2090
3 x 50	35.022,78	1500	400 x 0,41	34,5	44,0	2875
3 x 70	46.175,94	2100	356 x 0,51	39,0	49,5	3790
3 x 95	68.614,78	2850	485 x 0,51	44,4	54,0	4935
4 x 10	12.705,55	400	80 x 0,41	21,5	28,0	1060
4 x 16	16.828,88	640	128 x 0,41	24,5	32,0	1345
4 x 25	25.546,10	1000	200 x 0,41	29,5	37,5	1995
4 x 35	32.580,04	1400	280 x 0,41	33,0	42,0	2645
4 x 50	43.533,18	2000	400 x 0,41	38,0	48,5	3635
4 x 70	63.929,09	2800	356 x 0,51	43,0	54,5	4830
4 x 95	80.582,26	3800	485 x 0,51	49,0	60,5	6320

Rubber Sheathed Cable for High Mechanical Stress

according to DIN VDE 0250-812 / ÖVE - K40-54



Construction

Fine-stranded tinned copper conductor, EPR rubber insulation, cores are stranded for the more-core types and are layered for the multicore types, the protective conductor is placed into the outside layer, rubber inner sheath, outer sheath of polychloroprene (CR), yellow, abrasion and oil resistant, flame retardant.

Application

These cables are suitable for extreme mechanical stress in dry and humid locations for connections of heavy equipment. For mines and industrial use.

Temperature range

In motion - 25°C till + 80°C
 For fixed installation - 40°C till + 80°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
NSSHöu-O 0,6/1 KV					
1 x 16	5.114,91	160	128 x 0,41	12	260
1 x 25	7.770,45	250	200 x 0,41	14	390
1 x 35	9.664,01	350	280 x 0,41	16	500
1 x 50	12.679,23	500	400 x 0,41	18	680
1 x 70	16.380,54	700	356 x 0,51	20	910
1 x 95	20.891,48	950	485 x 0,51	22	1160
1 x 120	25.733,72	1200	614 x 0,51	24	1460
1 x 150	33.053,08	1500	765 x 0,51	28	1850
1 x 185	39.021,59	1850	944 x 0,51	30	2280
1 x 240	53.059,19	2400	1225 x 0,51	33	2940
2 x 1,5	3.464,21	30	30 x 0,26	12	190
3 x 2,5	4.969,55	75	50 x 0,26	14	280
NSSHöu-J 0,6/1 KV					
3 x 1,5	3.982,08	45	30 x 0,26	13	220
3 x 2,5	4.969,55	75	50 x 0,26	14	280
4 x 1,5	4.525,97	60	30 x 0,26	13	250
4 x 2,5	6.192,28	100	50 x 0,26	16	380
4 x 4	8.292,29	160	56 x 0,31	18	500
4 x 6	10.645,99	240	84 x 0,31	19	610
4 x 10	15.180,05	400	80 x 0,41	23	950
4 x 16	20.951,79	640	128 x 0,41	28	1420
4 x 25	30.743,12	1000	200 x 0,41	34	2120
4 x 35	41.158,39	1400	280 x 0,41	37	2660
4 x 50	55.907,46	2000	400 x 0,41	44	3700
4 x 70	76.042,60	2800	356 x 0,51	47	4605
4 x 95	87.795,15	3800	485 x 0,51	54	6220
4 x 120	104.253,61	4800	614 x 0,51	60	7705
3 x 70 / 35	62.602,17	2450	356 x 0,51	48	4530
3 x 95 / 50	82.305,37	3350	485 x 0,51	55	6010

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
NSSHöu-J 0,6/1 KV					
5 x 1,5	5.535,28	75	30 x 0,26	14	300
7 x 1,5	9.383,33	105	30 x 0,26	18	466
10 x 1,5	12.670,34	150	30 x 0,26	21	584
5 x 2,5	7.266,58	125	50 x 0,26	17	440
7 x 2,5	9.751,97	175	50 x 0,26	18	500
10 x 2,5	14.493,62	250	50 x 0,26	22	715
12 x 2,5	15.559,37	300	50 x 0,26	24	810
18 x 2,5	22.949,06	450	50 x 0,26	29	1160
5 x 4	10.518,57	200	56 x 0,31	19	590
5 x 6	14.387,88	300	84 x 0,31	21	770
5 x 10	21.080,65	500	80 x 0,41	25	1130
5 x 16	28.255,79	800	128 x 0,41	31	1680
5 x 25	41.619,84	1250	200 x 0,41	37	2460

A07RN-R (GWuö / DSTL)**Rubber Insulated Single Core Cable****(House Pole Cable)**

according to ÖVE - K40

**Construction**

Stranded tinned copper conductor, EPR rubber insulation, outer sheath of polychloroprene (CR), black or blue, abrasion and oil resistant, flame retardant.

Application

In dry and wet locations as well as outdoors for fixed installations. Suitable for span widths up to 20 m as a house lead-in cable, also for appliances within easy reach.

Temperature range

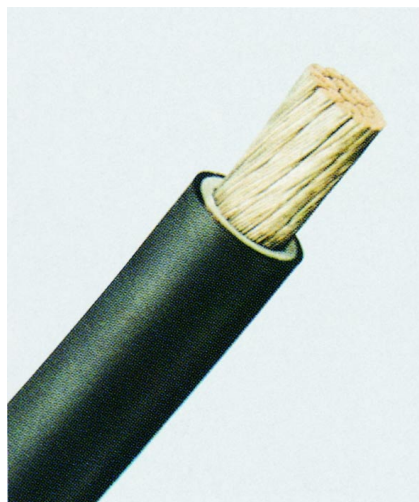
-20°C till +80°C

Nominal cross section mm ²	Colours	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
A07RN-R 1 KV						
10 RM	bla	1.684,69	100	7 x 1,35	9,0	140
	blu	1.853,06	100	7 x 1,35	9,0	140
16 RM	bla	2.450,20	160	7 x 1,70	11,5	240
	blu	2.695,14	160	7 x 1,70	11,5	240
25 RM	bla	3.526,52	250	7 x 2,13	13,0	350
	blu	3.879,25	250	7 x 2,13	13,0	350
35 RM	bla	4.918,43	350	7 x 2,52	14,5	450
	blu	5.410,15	350	7 x 2,52	14,5	450
50 RM	bla	7.104,56	500	19 x 1,83	16,5	610
	blu	7.814,99	500	19 x 1,83	16,5	610
70 RM	bla	9.726,59	700	19 x 2,17	18,5	860

NSGAFöu (GHuöf)

Special Rubber Single Core Cable

according to DIN VDE 0250-602 / ÖVE - K40-52



Construction

Fine-stranded tinned copper conductor, EPR rubber insulation, outer sheath of polychloroprene, black, abrasion and oil resistant, flame retardant.

Application

This cable is suitable for track-bound vehicles and trackless trolley buses as well as for installations in dry locations, in switchboards and distributors up to 1.000 V as a short circuit and earth fault proof cable.

Temperature range

- 25°C till + 80°C

Admissible conductor temperature + 90°C

nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
NSGAFöu 1,8/3 KV					
1,5	1.101,40	15	30 x 0,26	6,1	60
2,5	1.315,03	25	50 x 0,26	6,6	75
4	1.692,93	40	56 x 0,31	7,0	90
6	1.984,11	60	84 x 0,31	7,5	120
10	3.089,53	100	80 x 0,41	9,9	180
16	4.234,97	160	126 x 0,41	10,9	250
25	5.874,60	250	196 x 0,41	13,1	380
35	7.569,07	350	276 x 0,41	15,0	480
50	10.122,51	500	396 x 0,41	16,0	620
70	13.142,71	700	360 x 0,51	18,0	870
95	16.745,11	950	475 x 0,51	20,3	1180
120	20.199,94	1200	608 x 0,51	22,5	1420
150	24.278,70	1500	756 x 0,51	25,0	1750
185	29.265,44	1850	925 x 0,51	27,5	2150
240	37.099,64	2400	1221 x 0,51	32,1	2800
300	45.489,89	3000	1530 x 0,51	34,0	3090

NSGAFöu 0,6/1 KV

price and delivery time as well as technical details on request

NSGAFöu 3,6/6 KV

price and delivery time as well as technical details on request

H01N2-D (GSfföu)
H01N2-E

Welding Cable

according to DIN VDE 0282-6 / ÖVE - K40-6



Construction

Fine-stranded tinned or bare copper conductor, separator tape, outer sheath of polychloroprene (EM5), black, oil resistant and flame retardant.

H01N2-D: cable with normal flexibility

H01N2-E: cable with extreme high flexibility

Application

These cables are used in dry, humid and wet locations, as well as outdoors for machine and hand-welding equipment.

Temperature range

In motion - 25°C till + 80°C

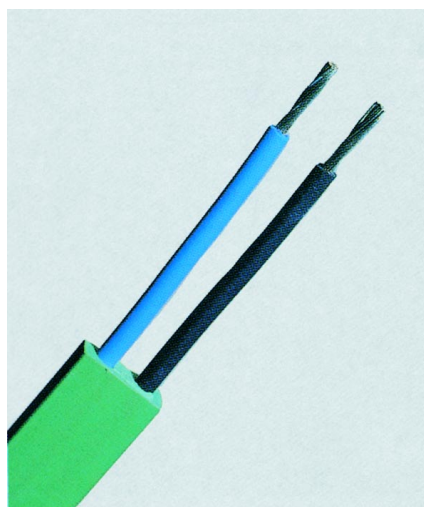
For fixed installation - 40°C till + 80°C

nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Wire diameter mm	Insulation thickness ca. mm	Overall diameter ca. mm	Weight ca. kg / km
H01N2-D 100/100 V						
10	3.585,43	100	0,21	2,0	8,5	150
16	4.054,85	160	0,21	2,0	9,5	210
25	5.431,91	250	0,21	2,0	11,0	300
35	6.877,19	350	0,21	2,0	12,0	400
50	8.932,68	500	0,21	2,0	14,0	560
70	11.325,19	700	0,21	2,4	16,5	780
95	14.770,00	950	0,21	2,6	18,5	1010
120	17.704,51	1200	0,51	2,8	20,0	1250
150	22.868,38	1500	0,51	3,0	22,5	1570
H01N2-E 100/100 V						
16	4.460,34	160	0,16	1,2	8,0	180
25	5.975,11	250	0,16	1,2	9,5	270
35	7.564,87	350	0,16	1,2	10,5	370
50	10.897,93	500	0,16	1,5	12,5	530
70	13.816,68	700	0,16	1,5	14,5	710
95	18.019,52	950	0,16	1,8	16,5	960
120	21.599,46	1200	0,21	1,8	18,5	1180

H05RNH2-F

Illumination Flat Cable

according to DIN VDE 0282



Construction

Fine-stranded tinned copper conductor according to VDE 0295, ordinary ethylene propylene rubber (NR) or styrene-butadiene rubber (SBR) insulation, outer sheath of polychloroprene (CR), green, oil resistant and flame retardant.

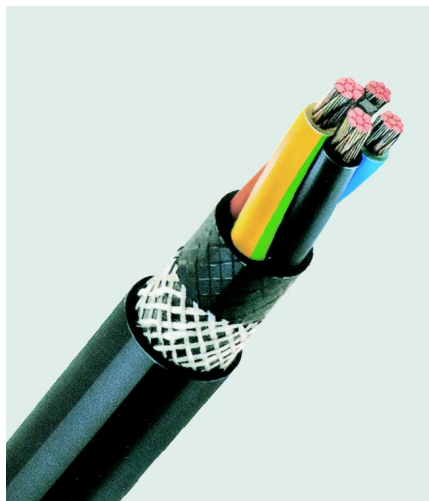
Application

This cable is used in dry, humid and wet locations, as well as outdoors as a clamping cable for standardised lamp holders for the illumination of spaces and gardens.

Temperature range

In motion - 25°C till + 60°C
For fixed installation - 40°C till + 60°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall measures ca. mm	Weight ca. kg / km
H05RNH2-F 300/500 V					
2 x 1,5	1.724,00	30	30 x 0,26	5,2 x 13,2	135



Construction

Fine-stranded tinned copper conductor according to VDE 0295, insulation of a rubber compound (G11), core marking according to DIN VDE 0293. Cores are narrowly stranded and layered around a pilot core made of plastic or yarn threads, which are extruded with rubber. For the 4 and 5-core types the interstices of the cable are filled with yarn threads. Each layer is wrapped, inner sheath of rubber (5GM2). To protect the cable from torsion an open plaiting out of plastic threads is embedded in the outer sheath, rubber (5GM2) outer sheath, black, oil resistant and flame retardant.

Application

It is to be used in dry and humid locations as well as in the open-air for frequent reeling processes and when the cable is exposed to heavy tensile and torsion load as well as to forced bending as in the case of piped vehicles, line chains, drums or other mechanical equipment. Travel speed up to 120 m / min.

Temperature range

In motion - 35°C till + 80°C

For fixed installation - 45°C till + 80°C

Admissible conductor temperature + 90°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
NSHTöu(K)-J 0,6/1 KV					
4 x 1,5	6.284,89	60	44 x 0,21	15,0	290
5 x 1,5	7.505,05	75	44 x 0,21	17,5	320
7 x 1,5	10.320,54	105	44 x 0,21	20,5	460
12 x 1,5	13.400,65	180	44 x 0,21	23,5	820
18 x 1,5	19.017,47	270	44 x 0,21	27,5	980
24 x 1,5	24.057,95	360	44 x 0,21	31,0	1230
30 x 1,5	27.875,95	450	44 x 0,21	33,5	1500
4 x 2,5	8.873,72	100	73 x 0,21	18,0	385
5 x 2,5	10.953,97	125	73 x 0,21	20,5	460
7 x 2,5	13.492,16	175	73 x 0,21	22,5	600
12 x 2,5	20.218,19	300	73 x 0,21	27,5	1050
18 x 2,5	27.771,81	450	73 x 0,21	30,5	1360
24 x 2,5	36.963,47	600	73 x 0,21	33,5	1600
30 x 2,5	39.874,08	750	73 x 0,21	37,0	2110
25 x 1,5 + 5 x 1,5 C	41.181,01	566	44 x 0,21	40,0	2140
19 x 2,5 + 5 x 1,5 C	34.942,94	689	73 x 0,21	37,0	1940
4 x 4	11.836,09	160	75 x 0,26	21,0	520
4 x 6	14.805,73	240	119 x 0,26	23,5	660
4 x 10	19.835,07	400	196 x 0,26	28,5	970
4 x 16	25.485,58	640	210 x 0,31	31,0	1350
4 x 25	35.632,00	1000	336 x 0,31	36,5	1970
4 x 35	46.300,02	1400	475 x 0,31	41,5	2440
4 x 50	61.332,75	2000	684 x 0,31	48,0	3390
4 x 70	79.813,28	2800	551 x 0,41	52,5	4620
4 x 95	101.736,40	3800	722 x 0,41	60,0	6100
5 x 4	13.115,70	200	75 x 0,26	22,5	620
5 x 6	16.783,06	300	119 x 0,26	26,0	790
5 x 10	22.123,16	500	196 x 0,26	30,5	1210
5 x 16	27.570,45	800	210 x 0,31	34,5	1860

NSHTöu
CORDAFLEX (SMK)

Rubber Sheathed Cable for Reeling Purposes
Crane Cable

according to DIN VDE 0250-814



Construction

Fine-stranded tinned copper conductor, PROTOLON insulated cores, stranding with short twists, inner sheath of a special compound PCP, anti-torsion braid made of polyester threads, in a vulcanised bond between the inner and outer sheath, outer sheath of wear- and tear-resistant PCP compound, yellow, oil-, weather- and water resistant.

Application

It is to be used as a connection cable for reeling purposes for very high mechanical loads on movable appliances, mobile line carriers, and piped vehicles as well as for vertical drum operation. It is also applicable for the scope of DIN VDE 0168 and 0118, for underground and open-cast mines.

Temperature range

In motion - 35°C till + 60°C
For fixed installation - 50°C till + 80°C
Admissible conductor temperature + 90°C

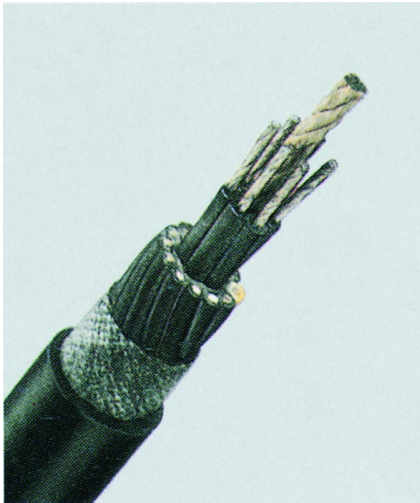
Number of cores and nominal cross section	Price	Copper figure	Cond. construction (approx. value)	Overall diameter		Weight
				min. value	max. value	
mm ²	EUR / km	kg / km	mm	ca. mm		ca. kg / km

NSHTöu-J 0,6/1 KV
CORDAFLEX (SMK)

5 x 1,5	10.198,45	75	50 x 0,21	13,0	14,6	280
7 x 1,5	14.229,52	105	50 x 0,21	15,2	17,2	385
12 x 1,5	18.353,88	180	50 x 0,21	21,4	23,4	710
24 x 1,5	32.204,65	360	50 x 0,21	23,8	26,8	990
4 x 2,5	12.398,14	100	80 x 0,21	13,2	14,8	305
7 x 2,5	18.723,40	175	80 x 0,21	16,6	18,6	510
12 x 2,5	27.224,02	300	80 x 0,21	23,4	25,4	920
18 x 2,5	36.853,02	450	80 x 0,21	23,3	25,3	1005
24 x 2,5	50.048,17	600	80 x 0,21	26,2	29,2	1320
30 x 2,5	53.020,78	750	80 x 0,21	29,4	32,4	1660
19 x 2,5 + 5 x 1 (C)	53.805,03	657	80 x 0,21	26,2	29,2	1290
25 x 2,5 + 5 x 1 (C)	62.411,39	812	80 x 0,21	29,4	32,4	1620
4 x 4	15.335,99	160	80 x 0,26	16,0	18,0	455
4 x 6	17.950,55	240	120 x 0,26	17,4	19,4	575
4 x 10	25.440,18	400	210 x 0,26	21,6	23,6	905
4 x 16	32.216,05	640	230 x 0,31	23,7	26,7	1240
4 x 25	48.430,46	1000	360 x 0,31	28,5	31,5	1850
3 x 35 + 3 x 16 / 3	62.627,06	1210	510 x 0,31	28,5	31,5	2160
3 x 50 + 3 x 25 / 3	84.254,79	1750	530 x 0,36	34,4	37,4	2850
3 x 70 + 3 x 35 / 3	109.448,71	2450	730 x 0,36	39,7	42,7	3920
3 x 95 + 3 x 50 / 3	146.526,57	3350	780 x 0,41	44,3	47,3	5020
3 x 120 + 3 x 70 / 3	159.955,30	4300	1000 x 0,41	51,0	55,0	6630

Rubber Control Cable with Supporting Element for Medium-Level Mechanical Loads

adapted to DIN VDE 0250



Construction

Fine-stranded bare copper conductor, core insulation of a rubber compound (GM), core marking according to DIN VDE 0293 tab. 1, cores are narrowly stranded and layered around a supporting element made of a bandaged cord serving as a stress relieving element, each layer is wrapped, outer sheath of rubber (5GM1), black, oil resistant and flame retardant.

Application

It is to be used in dry, humid and wet locations as well as in the open-air as a flexible power and control cable for medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines.

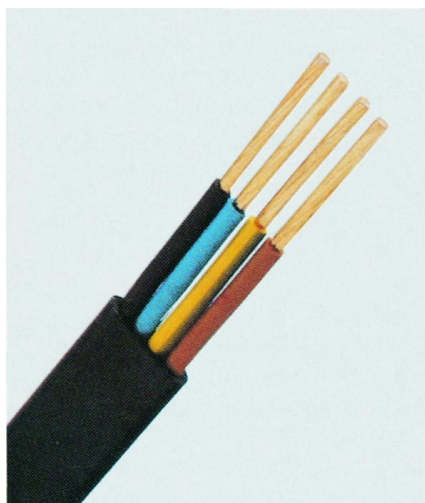
Temperature range

In motion - 25°C till + 60°C
 For fixed installation - 40°C till + 60°C
 Admissible conductor temperature + 90°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
FLGöu-J 300/500 V					
7 x 1,0	4.398,57	70	56 x 0,16	13,5	230
12 x 1,0	7.483,15	120	56 x 0,16	19,5	390
18 x 1,0	10.015,10	180	56 x 0,16	20,0	475
24 x 1,0	12.582,46	240	56 x 0,16	22,5	650
30 x 1,0	14.951,83	300	56 x 0,16	25,0	850
36 x 1,0	17.506,50	360	56 x 0,16	27,0	940
48 x 1,0	22.297,55	480	56 x 0,16	30,0	1210
61 x 1,0	28.736,80	610	56 x 0,16	34,0	1530
4 x 1,5	4.215,14	60	84 x 0,16	11,8	220
5 x 1,5	4.416,93	75	84 x 0,16	12,0	230
7 x 1,5	4.926,87	105	84 x 0,16	13,5	270
9 x 1,5	5.963,49	135	84 x 0,16	16,5	410
12 x 1,5	8.523,90	180	84 x 0,16	21,0	510
18 x 1,5	11.002,02	270	84 x 0,16	22,0	630
24 x 1,5	14.610,44	360	84 x 0,16	25,0	820
4 x 2,5	5.353,06	100	140 x 0,16	12,5	309
7 x 2,5	6.518,55	175	140 x 0,16	17,5	380
8 x 2,5	7.531,01	200	140 x 0,16	18,0	460
12 x 2,5	11.496,20	300	140 x 0,16	22,5	710
18 x 2,5	15.274,88	450	140 x 0,16	24,0	880
24 x 2,5	28.863,72	600	140 x 0,16	29,0	1200

Rubber Flat Cable for Medium-Level Mechanical Loads

according to DIN VDE 0250



Construction

Bare copper conductor, very fine-stranded up to 25 mm² and fine-stranded between 35 mm² and 120 mm² according to DIN VDE 0295, core insulation of a rubber compound (3GI3), core marking according to DIN VDE 0293 tab. 1, cores are laid up in parallel, groups of 2-4 cores are separated by a web, outer sheath of a rubber compound 5GM3, black, oil-resistant and flame retardant.

Application

It is to be used in dry, humid and wet locations as well as in the open-air as a flexible power and control cable for medium-level mechanical loads. This cable is suitable for connecting movable parts of machine tools, material handling equipment and large machines provided it is exposed to bending in only one plane.

Temperature range

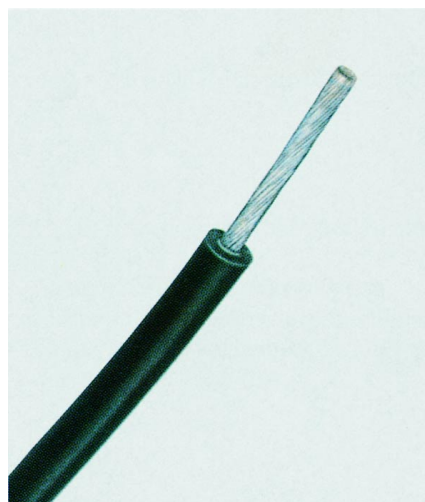
In motion - 20°C till + 85°C
 For fixed installation - 40°C till + 85°C
 Admissible conductor temperature + 90°C

Number of cores and nominal cross section mm ²	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter		Weight ca. kg / km
				min. value ca. mm	max. value	
NGFLGöu-J 300/500 V						
4 x 1,5	2.895,98	60	84 x 0,16	5,4 x 15,0	6,4 x 18,5	155
5 x 1,5	3.725,48	75	84 x 0,16	5,4 x 19,5	6,4 x 23,0	190
7 x 1,5	4.949,75	105	84 x 0,16	5,4 x 25,0	6,4 x 30,0	265
8 x 1,5	5.958,57	120	84 x 0,16	5,4 x 27,5	6,4 x 32,0	295
10 x 1,5	7.304,82	150	84 x 0,16	6,0 x 35,5	7,0 x 41,5	405
12 x 1,5	8.943,95	180	84 x 0,16	6,0 x 42,0	7,0 x 48,5	480
24 x 1,5	22.744,28	360	84 x 0,16	11,5 x 51,0	13,5 x 56,0	1010
4 x 2,5	3.904,64	100	140 x 0,16	6,6 x 18,5	8,2 x 24,0	255
5 x 2,5	4.852,33	125	140 x 0,16	6,6 x 24,0	8,2 x 29,0	410
7 x 2,5	6.507,56	175	140 x 0,16	6,6 x 31,0	8,2 x 39,5	440
8 x 2,5	7.593,66	200	140 x 0,16	6,6 x 33,5	8,2 x 42,5	495
12 x 2,5	11.213,41	300	140 x 0,16	7,2 x 50,5	8,8 x 63,5	790
24 x 2,5	28.633,41	600	140 x 0,16	15,0 x 66,0	17,0 x 72,5	1690
4 x 4	5.812,25	160	224 x 0,16	7,9 x 22,5	9,6 x 28,0	380
4 x 6	7.679,11	240	192 x 0,21	8,5 x 24,5	10,4 x 31,0	490
4 x 10	10.469,11	400	320 x 0,21	9,9 x 30,0	12,1 x 38,0	750
4 x 16	16.440,04	640	512 x 0,21	11,5 x 35,0	14,0 x 44,0	1080
4 x 25	23.805,40	1000	800 x 0,21	13,1 x 41,5	15,7 x 51,0	1590
4 x 35	30.459,54	1400	280 x 0,41	14,8 x 47,0	18,0 x 58,5	2110
4 x 50	43.759,61	2000	400 x 0,41	17,2 x 55,0	21,0 x 69,0	2950
4 x 70	57.637,07	2800	356 x 0,51	19,5 x 62,5	23,7 x 78,0	4020
4 x 95	83.883,16	3800	485 x 0,51	22,0 x 71,0	26,9 x 89,0	5210
5 x 4	8.309,27	200	224 x 0,16	8,0 x 30,0	10,0 x 34,0	641
5 x 6	9.684,05	300	192 x 0,21	8,5 x 33,0	11,0 x 36,0	820
5 x 16	22.516,39	800	512 x 0,21	11,0 x 48,0	14,5 x 52,0	1580
5 x 25	31.301,58	1250	800 x 0,21	12,5 x 57,5	17,5 x 62,0	2390
7 x 4	10.745,51	280	224 x 0,16	7,9 x 37,0	9,6 x 46,5	655
7 x 6	15.984,42	420	192 x 0,21	8,5 x 41,0	10,4 x 51,5	840
7 x 10	24.222,47	700	320 x 0,21	9,9 x 50,5	12,1 x 63,5	1350

**H07G-U
H07G-K**

**Rubber Insulated Single Core Wire
with Increased Heat-Resistance**

according to DIN VDE 0282-501



Construction

Solid or fine-stranded tinned copper conductor, insulation of a heat-resistant rubber compound.

Application

This wire is well suited for internal wiring in lamps, instruments, control panels and distributors in dry locations. Should be installed in surface mounted or embedded conduits.

Temperature range

Max. conductor service temperature + 110°C

Nominal cross section mm ²	Colours	Price EUR / km	Copper figure kg / km	Cond. construction (approx. value) mm	Overall diameter ca. mm	Weight ca. kg / km
H07G-U 450/750 V						
1,5	bla/br/blu/gy	404,60	15,0	1 x 1,38	3,0	25
2,5	bla/br/blu/gy	596,70	25,0	1 x 1,78	3,6	35
H07G-K 450/750 V						
0,75	bla	378,10	7,5	24 x 0,21	2,8	15
1	bla	419,20	10,0	32 x 0,21	2,9	20
1,5	bla	491,60	15,0	30 x 0,26	3,4	25
2,5	bla	721,60	25,0	50 x 0,26	4,0	40
4	bla	1.231,40	40,0	56 x 0,31	5,0	60
6	bla	1.317,50	60,0	84 x 0,31	5,5	80
10	bla	2.165,20	100,0	80 x 0,41	7,0	130
16	bla	3.180,10	160,0	126 x 0,41	8,0	210
25	bla	5.699,30	250,0	196 x 0,41	10,0	320
35	bla	7.306,80	350,0	276 x 0,41	11,5	420