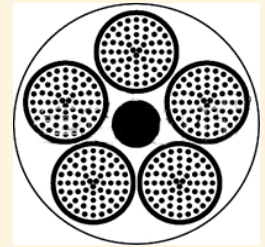


TITANEX 2.0 H07 RN-F

Flexible rubber cable



Cross Section



TITANEX®

Industrial flexible cable, insulation and outer sheath in elastomer.
Oil resistant, flame retardant according to IEC/EN 60332-1-2 standard. H07RN-F



International EN 50525-2-21
HD 22.4; HD 516;
IEC 60245-4 type 66

National NF C 32-102-4

Application:

The TITANEX® flexible rubber cable range offers exceptional performances and is designed to release you from all your constraints. Robust yet flexible, TITANEX® is easy to use and withstands the toughest of conditions, such as hard-wearing situations, extreme temperatures and most chemicals. For more than 50 years the TITANEX® cable range properties have been recognized as the best choice for all mobile and fixed installations in industrial environments such as construction sites, cranes, machines tools, factories, generators etc.

TITANEX® is also suitable for public environments and temporary events such as festivals or sports competitions, where the cable is often laid directly on the ground with no protection.

The cable may be rated 0,6/1 kV where the installation has built-in protection and for motors in lifting appliances - machine tools - etc.

Installation:

This cable can be installed in open air or be buried but with extra mechanical protection.

Structure:

Conductor	Copper conductor, bare, flexible (class 5) according to DIN VDE 0295 and IEC 60228 cl. 5, HD 383
Cores	Cross-linked elastomer insulation
Outer sheath	Cross-linked elastomer with high mechanical properties

Technical Data:

Nominal Voltage	450V/750V
Test Voltage	2500V
Conductor resistance	According to DIN VDE 0295 cl. 5
Conductor temperature	fixed and protected installation: 90°C mobile installation: 60°C
Short-circuit temperature	max.+200°C on the conductor
Operating temperature	-25°C to +55°C
Min.bending radius	
Dynamic use	6 to 8x cable outer diameter
Static use	3x outer cable diameter if the outer diam is < or =12mm 4x outer cable diameter if the outer diam is >12mm.
Permanent tensile loading	(total copper cross section in mm²)max. 15N/mm²
Silicon free	yes

Tests According to DIN VDE 0472 and IEC:

Flammability	Test method B according to VDE 0472 part 804 and IEC 332-1
Oil resistance	Test method A acc. to VDE 0472 part 803 or test method C acc. to part 805A1
Ozone resistance	Test method A according to VDE 0472 part 805

Special Attributes

Coating colour
black

Standards
International EN 50525-2-21;
HD 22.4; HD 516;
IEC 60245-4 type 66
National NF C 32-102-4



Lead free
Yes



Cable flexibility
Flexible



Chemical resistance
Accidental



Water proof
Good



RoHS compliant
Yes



Oil resistance
Yes



Max. conductor temp. in service
90 °C



Operating temp.
-25..55°C

Conductor marking:

number of conductors	with green-yellow conductor	with green-yellow conductor
1		black
2		brown + blue
3*	green-yellow + brown + blue	brown + black + grey
3**		blue + brown + black
4	green-yellow + brown + black + grey	blue + brown + black + grey
5	green-yellow + blue + brown + black + grey	blue + brown + black + grey + black
> 5	white printed numbers + 1 green-yellow	white printed numbers

* for cables without green/yellow, with one cross section >4mm²

** for the cables without green/yellow, with a cross section of 1,5mm² & 2,5mm²

Item H07 RN-F	max.current (A) 90°C	current rating open air(A)	Voltage drop (V/A.km)	Cu weight	Outer diameter min.(mm) max.(mm)	weight (kg/km)	Itemnumber
1x1,5	24			14,4	7,1	50	1011003
1x2,5	33			24,0	7,9	66	1011004
1x4	45			38,0	9,0	94	1011005
1x6	58	58	5,90	58,0	7,9 - 9,8	109	1011006
1x10	80	80	3,40	96,0	9,5 - 11,9	182	1011007
1x16	107	107	2,20	154,0	10,8 - 13,4	256	1011008
1x25	138	138	1,40	240,0	12,7 - 15,8	369	1011009
1x35	169	169	1,04	336,0	14,3 - 17,9	482	1011010
1x50	207	207	0,75	480,0	16,5 - 20,6	662	1011011
1x70	268	268	0,56	672,0	18,6 - 23,3	895	1011012
1x95	328	328	0,44	912,0	20,8 - 26,0	1144	1011013
1x120	382	382	0,36	1152,0	22,8 - 28,6	1430	1011014
1x150	441	441	0,31	1440,0	25,2 - 31,4	1740	1011015
1x185	506	506	0,28	1776,0	27,6 - 34,4	2160	1011016
1x240	599	599	0,23	2304,0	30,6 - 38,3	2730	1011017
1x300	693	693	0,20	2880,0	33,5 - 41,9	3480	1011018
2x1							1011020
2x1,5	26	26	27	29,0	8,5 - 11,0	111	1011023
2x2,5	36	36	16,2	48,0	10,2 - 13,2	161	1011025
2x4	49	49	10,1	77,0	11,8 - 15,1	238	1011027
2x6	63	63	6,7	115,0	13,1 - 16,8	279	1011028
2x10	86	86	3,8	192,0	17,7 - 22,6	538	1011029
2x16	115	115	2,5	308,0	20,2 - 25,7	744	1011030
3G1		20	39,4	29,0	8,3 - 10,7	117	1011132
3G1,5	26	26	27,0	43,0	9,2 - 11,9	134	1011135
3G2,5	36	36	16,2	72,0	10,9 - 14,0	195	1011138
3G4	49	49	10,1	115,0	12,7 - 16,2	290	1011139
3G6	63	63	7,0	173,0	14,1 - 18,0	346	1011140
3G10	86	86	4,0	288,0	19,1 - 24,2	663	1011141
3G16	115	115	2,5	461,0	21,8 - 27,6	924	1011142
3G25	149			720,0			1011143
3G35	185	185	1,21	1008,0	29,3 - 37,1	1760	1011144
3G50	225	225	0,87	1440,0	34,1 - 42,9	2390	1011145
3G70	289	289	0,64	2016,0	38,4 - 48,3	3110	1011146
3G95	352	352	0,5	2736,0	43,3 - 54,0	4170	1011147
3G120	410			3456,0		5078	1011148

Item H07 RN-F	max.current (A) 90°C	current rating open air(A)	Voltage drop (V/A.km)	Cu weight	Outer diameter		weight (kg/km)	Itemnumber
					min.(mm)	max.(mm)		
4G1		18	34,08	38,0	9,6 -	12,0	144	1011150
4G1,5	23	23	23,3	58,0	10,2 -	13,1	165	1011153
4G2,5	31	31	14,0	96,0	12,5 -	15,5	245	1011156
4G4	42	42	8,71	154,0	14,0 -	18,0	357	1011158
4G6	54	54	5,84	230,0	15,7 -	20,0	443	1011160
4G10	75	75	3,42	384,0	20,8 -	26,5	818	1011162
4G16	100	100	2,20	614,0	23,8 -	30,1	1150	1011163
4G25	127	127	1,44	960,0	28,9 -	36,6	1700	1011164
4G35	158	158	1,04	1344,0	32,5 -	41,1	2180	1011165
4G50	192	192	0,75	1920,0	37,7 -	47,5	3030	1011166
4G70	246	246	0,56	2688,0	42,7 -	54,0	3990	1011167
4G95	298	298	0,44	3648,0	48,4 -	61,0	5360	1011168
4G120	346	346	0,36	4608,0	53,0 -	66,0	6500	1011169
4G150	395	395	0,31	5760,0	58,0 -	73,0	7990	1011170
4G185	450			7104,0			9912	1011171
5G1,5	23	23	23,6	72,0	11,2 -	14,4	238	1011174
5G2,5	31	31	14,0	120,0	13,3 -	17,0	297	1011177
5G4	42	42	8,72	192,0	15,6 -	19,9	453	1011179
5G6	54	54	5,84	288,0	17,5 -	22,2	557	1011181
5G10	75	75	3,43	480,0	22,9 -	29,1	1001	1011183
5G16	100	100	2,20	768,0	26,4 -	33,3	1430	1011185
5G25	127	127	1,44	1200,0	32,0 -	40,4	2096	1011186
5G35	158	158	1,04	1680,0	35,6 -	45,1	2690	1011187
5G50	192	192	1,04	2400,0	41,8 -	53,0	3840	1011188
5G70	246	246	0,56	3360,0	47,5 -	60,0	4996	1011189
7G1,5		17	23,3	101,0	14,7 -	18,7	349	1011201
7G2,5		21	13,9	168,0	17,1 -	21,8	487	1011202
12G1,5		12	23,3	173,0	17,6 -	22,1	510	1011213
12G2,5		16	13,9	288,0	20,6 -	26,2	702	1011214
14G1,5				202,0			600	1011215
18G1,5		10	20,7	259,0	20,7 -	26,3	730	1011217
18G2,5		14	13,9	432,0	24,4 -	30,9	1018	1011218
19G1,5				274,0			819	1011219
19G2,5				456,0			1170	1011220
24G1,5				346,0			1005	1011221
24G2,5				576,0			1380	1011222
27G1,5				385,0			1077	1011223
27G2,5				638,0			1521	1011224
36G1,5				518,0			1260	1011225
36G2,5				864,0			1862	1011226
37G1,5				533,0			1370	1011227