

# H07 RN-F / TITANEX

## Flexible rubber cable

RoHS

### CROSS SECTION



TITANEX



Acc. to DIN EN 50525-2-21  
(VDE 0285-525-221):2012-01

## APPLICATION

For the connection of equipment subject to extreme mechanical and thermal loads. For average mechanical loads in dry and damp rooms as well as outdoors. Only to be buried in the ground when using mechanical protection. Suitable for use in portable motors or machines on construction sites (circular saws, drills etc.) or in agricultural companies. Also approved for fixed installation, e.g. on plastered surfaces or in temporary structures, as well as for direct installation on components of hoisting devices, machines etc.

### SPECIAL FEATURES

Sheath colour  
Black

## STRUCTURE

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

## TECHNICAL DATA

<b>Nominal voltage</b>	450 V/750 V
<b>Test voltage</b>	2500 V
<b>Conductor resistance</b>	According to DIN VDE 0295 cl. 5
<b>Conductor temperature</b>	Fixed installation: max. +85°C; moving: max. +60°C
<b>Short-circuit temperature</b>	Max. +200°C on the conductor
<b>Operating temperature</b>	-25°C to +55°C
<b>Min. bending radius</b>	6 x cable diameter
<b>Permanent tensile loading</b>	(Total copper cross section in mm <sup>2</sup> ) max. 15N/mm <sup>2</sup>
<b>TESTS ACCORDING TO DIN VDE 0472 AND IEC:</b>	
<b>Flammability</b>	Test method B according to VDE 0472 part 804 and IEC 332-1
<b>Oil resistance</b>	Test method A acc. to VDE 0472 part 803 or test method C acc. to part 805 A1
<b>Ozone resistance</b>	Test method A according to VDE 0472 part 805

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
H07 RN-F 1x1.5	14.4	7.1	50	1011003
H07 RN-F 1x2.5	24.0	7.9	66	1011004
H07 RN-F 1x4	38.0	9.0	94	1011005
H07 RN-F 1x6	58.0	9.6	109	1011006
H07 RN-F 1x10	96.0	11.9	182	1011007
H07 RN-F 1x16	154.0	13.4	256	1011008
H07 RN-F 1x25	240.0	15.8	369	1011009
H07 RN-F 1x35	336.0	17.9	482	1011010
H07 RN-F 1x50	480.0	20.6	662	1011011
H07 RN-F 1x70	672.0	23.3	895	1011012
H07 RN-F 1x95	912.0	26.0	1164	1011013

Product description	Cu weight	Outer Ø (mm)	Weight (kg/km)	Product number
H07 RN-F 1x120	1152.0	28.6	1430	1011014
H07 RN-F 1x150	1440.0	31.4	1739	1011015
H07 RN-F 1x185	1776.0	34.4	2160	1011016
H07 RN-F 1x240	2304.0	38.3	2732	1011017
H07 RN-F 1x300	2880.0	41.9	3477	1011018
H07 RN-F 2x1	19.0	10.0	99	1011020
H07 RN-F 2x1.5	29.0	11.0	111	1011023
H07 RN-F 2x2.5	48.0	13.1	161	1011025
H07 RN-F 2x4	77.0	15.1	238	1011027
H07 RN-F 2x6	115.0	18.6	279	1011028
H07 RN-F 2x10	192.0	22.6	538	1011029
H07 RN-F 2x16	308.0	25.7	744	1011030
H07 RN-F 2x25	480.0	30.7	1074	1011033
H07 RN-F 3G1	29.0	10.7	117	1011132
H07 RN-F 3G1.5	43.0	11.8	134	1011135
H07 RN-F 3G2.5	72.0	14.0	195	1011138
H07 RN-F 3G4	115.0	16.2	290	1011139
H07 RN-F 3G6	173.0	18.0	346	1011140
H07 RN-F 3G10	288.0	24.2	663	1011141
H07 RN-F 3G16	461.0	27.6	924	1011142
H07 RN-F 3G25	720.0	33.0	1345	1011143
H07 RN-F 3G35	1008.0	37.1	1760	1011144
H07 RN-F 3G50	1440.0	42.9	2392	1011145
H07 RN-F 3G70	2016.0	48.3	3107	1011146
H07 RN-F 3G95	2736.0	54.0	4177	1011147
H07 RN-F 3G120	3456.0	60.0	5078	1011148
H07 RN-F 3G150	4320.0	56.0	6397	1011149
H07 RN-F 4G1	38.0	11.9	144	1011150
H07 RN-F 4G1.5	58.0	13.1	165	1011153
H07 RN-F 4G2.5	96.0	15.5	245	1011156
H07 RN-F 4G4	154.0	17.9	357	1011158
H07 RN-F 4G6	230.0	20.0	443	1011160
H07 RN-F 4G10	384.0	26.5	818	1011162
H07 RN-F 4G16	614.0	30.1	1150	1011163
H07 RN-F 4G25	960.0	36.6	1700	1011164
H07 RN-F 4G35	1344.0	41.1	2175	1011165
H07 RN-F 4G50	1920.0	47.5	3030	1011166
H07 RN-F 4G70	2688.0	54.0	3995	1011167
H07 RN-F 4G95	3648.0	61.0	5365	1011168
H07 RN-F 4G120	4608.0	66.0	6500	1011169
H07 RN-F 4G150	5760.0	73.0	7995	1011170
H07 RN-F 4G185	7104.0	80.0	9912	1011171
H07 RN-F 5G1.5	72.0	14.4	238	1011174
H07 RN-F 5G2.5	120.0	17.0	297	1011177
H07 RN-F 5G4	192.0	19.9	453	1011179
H07 RN-F 5G6	288.0	22.2	557	1011181
H07 RN-F 5G10	480.0	29.1	1001	1011183
H07 RN-F 5G16	768.0	33.3	1430	1011185
H07 RN-F 5G25	1200.0	40.4	2096	1011186
07 RN-F 5G35	1680.0	40.0	2700	1011187
07 RN-F 5G50	2400.0	53.0	3835	1011188
07 RN-F 5G70	3360.0	60.0	5153	1011189
H07 RN-F 7G1.5	101.0	17.0	371	1011201
H07 RN-F 7G2.5	168.0	19.9	499	1011202
H07 RN-F 12G1.5	173.0	18.0	516	1011213
H07 RN-F 12G2.5	288.0	24.0	719	1011214
H07 RN-F 14G1.5	202.0	20.0	600	1011215
H07 RN-F 18G1.5	259.0	20.0	782	1011217
H07 RN-F 18G2.5	432.0	28.0	1010	1011218
H07 RN-F 19G1.5	274.0	27.7	819	1011219
H07 RN-F 19G2.5	456.0	32.9	1170	1011220
H07 RN-F 24G1.5	346.0	30.7	1005	1011221
H07 RN-F 24G2.5	576.0	32.5	1380	1011222
H07 RN-F 27G1.5	385.0	28.5	1077	1011223
H07 RN-F 27G2.5	638.0	33.5	1521	1011224
H07 RN-F 36G1.5	518.0	35.2	1260	1011225
H07 RN-F 36G2.5	864.0	41.8	1862	1011226
H07 RN-F 37G1.5	533.0	32.0	1370	1011227