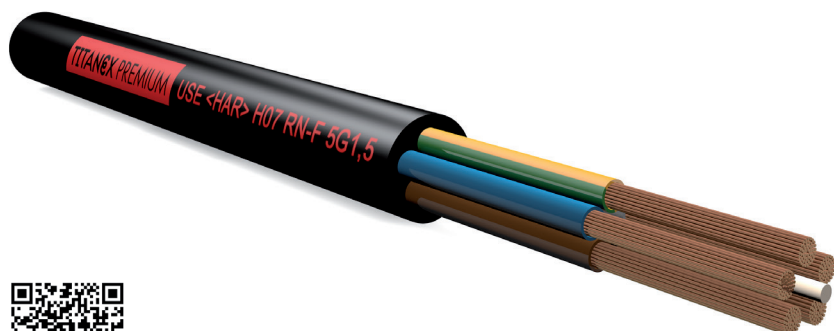


H07 RN-F / TITANEX PREMIUM

Flexible rubber cable

RoHS



TITANEX PREMIUM

APPLICATION

Heavy rubber-insulated cable for various applications involving high mechanical and thermal loads. Fulfills the requirements of H07RN8-F for continual use in water (AD8), H07BN4-F for operating temperatures of 90°C and H07BB-F for extremely low ambient temperatures (up to -50°C static and up to -40°C dynamic). Halogen free and, therefore, suitable for use in fire risk areas (IEC 60332-1). Use at up to 1000 V when permanently installed or supplying power to motors. Application areas: port cranes, mobile machines on public construction sites, portable professional tools. Heavy duty applications in harbours, on ships (Bureau Veritas cert. 26673/AO BV IEC 60092-350/351/353/359; IEC 60228, IEC 60332-1-2, IEC 60811), on drilling platforms, in road tunnels and at train stations and airports.

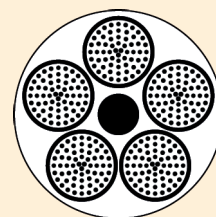
STRUCTURE

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

TECHNICAL DATA

Nominal voltage	450 V/750 V
Test voltage	2500 V
Conductor temperature	Fixed installation: max. +85°C
Short-circuit temperature	Max. +250°C on the conductor
Operating temperature	-50°C to +90°C
Max. operating temperature	+90°C
Installation temperature	Min. -40°C
Min. bending radius	6-8 x cable diameter

CROSS SECTION



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

SPECIAL FEATURES

Properties

Water resistant
Oil and grease resistant
Halogen free
Salt water resistant
Waste water resistant
UV resistant

Sheath colour

Black

Product description		Cu weight	Outer Ø max. (mm)	Weight (kg/km)	Product number
Titanex Premium	1x1.5	14.4	7.1	50	1211003
Titanex Premium	1x2.5	24.0	7.9	66	1211004
Titanex Premium	1x4	38.0	9.0	94	1211005
Titanex Premium	1x6	58.0	9.8	109	1211006
Titanex Premium	1x10	96.0	11.9	182	1211007
Titanex Premium	1x16	154.0	13.4	256	1211008
Titanex Premium	1x25	240.0	15.8	369	1211009
Titanex Premium	1x35	336.0	17.9	482	1211010
Titanex Premium	1x50	480.0	20.6	662	1211011
Titanex Premium	1x70	672.0	23.3	895	1211012
Titanex Premium	1x95	912.0	26.0	1160	1211013
Titanex Premium	1x120	1152.0	28.6	1430	1211014
Titanex Premium	1x150	1440.0	31.4	1740	1211015
Titanex Premium	1x185	1776.0	34.4	2160	1211016
Titanex Premium	1x240	2304.0	38.3	2730	1211017
Titanex Premium	1x300	2880.0	41.9	3480	1211018
Titanex Premium	2x1.5	29.0	11.0	111	1211023
Titanex Premium	2x2.5	48.0	13.1	161	1211025
Titanex Premium	2x4	77.0	15.1	238	1211027
Titanex Premium	2x6	115.0	16.8	279	1211028
Titanex Premium	2x10	192.0	22.6	538	1211029
Titanex Premium	2x16	308.0	25.7	744	1211030
Titanex Premium	2x25	480.0	30.7	1074	1211033
Titanex Premium	3G1.5	43.0	11.9	134	1211135
Titanex Premium	3G2.5	72.0	14.0	195	1211138
Titanex Premium	3G4	115.0	16.2	290	1211139
Titanex Premium	3G6	173.0	18.0	346	1211140
Titanex Premium	3G10	288.0	24.2	663	1211141
Titanex Premium	3G16	461.0	27.6	924	1211142
Titanex Premium	3G25	720.0	33.0	1345	1211143
Titanex Premium	3G35	1008.0	37.1	1760	1211144
Titanex Premium	3G50	1440.0	42.9	2390	1211145
Titanex Premium	3G70	2016.0	48.3	3110	1211146
Titanex Premium	3G95	2736.0	54.0	4170	1211147
Titanex Premium	4G1.5	58.0	13.1	165	1211153
Titanex Premium	4G2.5	96.0	15.5	245	1211156
Titanex Premium	4G4	154.0	17.9	357	1211158
Titanex Premium	4G6	230.0	20.0	443	1211160
Titanex Premium	4G10	384.0	26.5	818	1211162
Titanex Premium	4G16	614.0	30.1	1150	1211163
Titanex Premium	4G25	960.0	36.6	1700	1211164
Titanex Premium	4G35	1344.0	41.1	2180	1211165
Titanex Premium	4G50	1920.0	47.5	3030	1211166
Titanex Premium	4G70	2688.0	54.0	3990	1211167
Titanex Premium	4G95	3648.0	61.0	5360	1211168
Titanex Premium	4G120	4608.0	66.0	6500	1211169
Titanex Premium	4G150	5760.0	73.0	7990	1211170
Titanex Premium	5G1.5	72.0	14.4	238	1211174
Titanex Premium	5G2.5	120.0	17.0	297	1211177
Titanex Premium	5G4	192.0	19.9	453	1211179
Titanex Premium	5G6	288.0	22.2	557	1211181
Titanex Premium	5G10	480.0	29.1	1001	1211183
Titanex Premium	5G16	768.0	33.3	1430	1211185
Titanex Premium	5G25	1200.0	40.4	2096	1211186
Titanex Premium	5G35	1680.0	45.1	2690	1211187
Titanex Premium	5G50	2400.0	53.0	3840	1211188
Titanex Premium	5G70	3360.0	60.0	4996	1211189
Titanex Premium	7G1.5	101.0	18.7	349	1211201
Titanex Premium	7G2.5	168.0	22.0	487	1211202
Titanex Premium	12G1.5	173.0	22.4	510	1211213
Titanex Premium	12G2.5	288.0	26.2	702	1211214
Titanex Premium	18G1.5	259.0	26.3	730	1211217
Titanex Premium	18G2.5	432.0	30.9	1018	1211218
Titanex Premium	36G1.5	518.0	35.2	1325	1211225
Titanex Premium	36G2.5	864.0	39.1	1879	1211226