

# FRNC rubber cable

## TRIFLEX Plus H07RN-F LSOH



H07RN-F TRIFLEX Plus



**Application:** Halogen-free, low-smoke cable suitable medium mechanical stress (AG2) in dry, wet and damp locations as well as outdoors. The LSOH cable is good resistance to atmospheric agents, grease and mineral oils.. The areas of application range from building sites to industrial use. It is also suitable for permanent use in fresh or sea water (AD 8) up to a depth of 500 m (50 bar).

When installed in ducts or similar enclosed systems, the use of the cable is permitted up to and including 1000 V AC voltage or up to 750 V DC voltage against earth.

Current carrying capacity: acc. to IEC 60364-5-52

### Construction and technical data:

<b>CPR-classification according to EN 50575:</b>	Eca
<b>Standard:</b>	DIN EN 50525-2-21 (VDE 0285-525-2-21)
<b>Conductor material:</b>	copper, bare
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber
<b>Sheathing material:</b>	FRNC-rubber
<b>Colour of outer sheath:</b>	black
<b>Flame-retardant:</b>	IEC 60332-1-2
<b>Halogen-free:</b>	DIN EN 50267/IEC 60754
<b>UV-resistant:</b>	ISO 4892-2 / IEC 60811-501 / 1000 h
<b>Oil-resistant:</b>	yes
<b>Ozone-resistant:</b>	VDE 0473-811-403/IEC 60811-403
<b>Water-resistant:</b>	AD8
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	250 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-50 -+90 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-40 -+90 °C
<b>Min. bending radius, fixed installation:</b>	4 x Ø
<b>Bending radius, moving application:</b>	6 x Ø



**TRIFLEX Plus H07RN-F**

**Nominal voltage U<sub>0</sub>:** 450 V

**Nominal voltage U:** 750 V

**Core identification:** colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
054168	01X35 BK	0.554	169	17.9	336	485
054169	01X50 BK	0.386	207	20.6	480	668
054170	01X70 BK	0.272	268	23.3	672	905
054171	01X95 BK	0.206	328	26	912	1180
054172	01X120 BK	0.161	383	28.6	1152	1460
054173	01X150 BK	0.129	444	31.4	1440	1810
054174	01X185 BK	0.106	510	34.4	1776	2165
054175	01X240 BK	0.0801	607	38.3	2304	2750
054176	01X300 BK	0.0641	703	41.9	2880	3271
054328	01X400 BK	0.0486	823	46.8	3840	4286
054177	02X2.5 BK	7.98	26	13.1	48	165
054178	03G1 BK	19.5	17	10.7	28.8	120
054179	03G1.5 BK	13.3	23	11.9	43.2	150
054180	03G2.5 BK	7.98	32	14	72	200
054181	03G4 BK	4.95	42	16.2	115.2	295
054182	03G6 BK	3.3	54	18	172.8	380
054183	04G1.5 BK	13.3	23	13.1	57.6	175
054184	04G2.5 BK	7.98	32	15.5	96	255
054185	04G4 BK	4.95	42	17.9	153.6	355
054186	04G6 BK	3.3	54	20	230.4	485
054187	04G10 BK	1.91	75	26.5	384	845
054188	04G16 BK	1.21	100	30.1	614.4	1185
054189	04G25 BK	0.78	127	36.6	960	1730
054190	04G35 BK	0.554	158	41.1	1344	2250
054191	04G50 BK	0.386	192	47.5	1920	3085
054192	04G70 BK	0.272	246	54	2688	4145
054193	04G95 BK	0.206	298	61	3648	5465
054194	05G1.5 BK	13.3	23	14.4	72	220
054195	05G2.5 BK	7.98	32	17	120	310
054196	05G4 BK	4.95	42	19.9	192	445
054197	05G6 BK	3.3	54	22.2	288	605
054198	05G10 BK	1.91	75	29.1	480	1035
054199	05G16 BK	1.21	100	33.3	768	1465
054200	05G25 BK	0.78	127	40.4	1200	2145
054201	05G35 BK	0.554	158	45.1	1680	2579
054202	05G50 BK	0.386	192	53	2400	3594
054203	07G1.5 BK	13.3	16	17.2	100.8	355

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000