

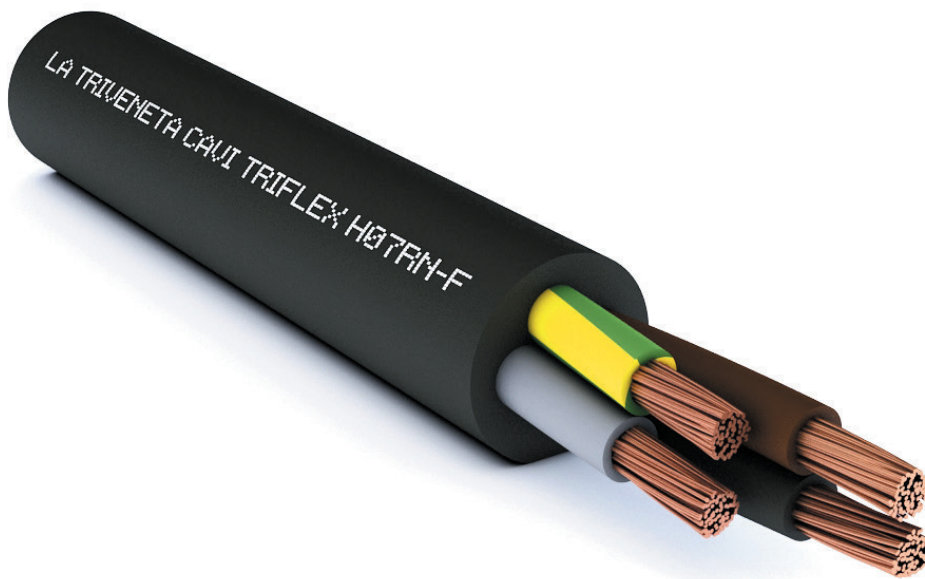
TRIFLEX H07RN-F

Construction: BS EN 50525-2-21

Flame propagation: BS EN 60332-1-2

Low Voltage Directive: 2006/95/EC

RoHS Directive: 2011/65/EC



Description

- Conductor: plain copper wire, flexible, class 5
- Insulation: rubber compound, EI4 quality
- Sheath: polychloroprene or equivalent synthetic elastomer, water resistance (AD6)
- Colour: black

Functional characteristics

- Rated voltage U_0/U : 450/750 V a.c. (600/1000 V d.c.)
- Max. operating temperature: 60°C (*)
- Min. operating temperature: -40°C (without mechanical shocks)
- Max. short circuit temperature: 200°C

(*) In the case of fixed protected installation, the cable can be used up to 85°C.

Special features

Good flexibility and mechanical resistance to abrasion, shocks, crushing and lacerations.
Good resistance to atmospheric agents, grease and mineral oils. UV-resistant.

Marking



LTC IMQ ◀HAR▶ TRIFLEX H07RN-F (FORMATION) (ORDER NUMBER) (YEAR) MADE IN ITALY (PROGRESSION METRIC)

Installation conditions

- Minimum installation temperature: -25°C
- Recommended minimum bending radius: 6 times the cable diameter for mobile use, 4 times for static use
- Recommended maximum tensile stress: 15 N/mm² of the cross-section of the copper for mobile use, 50 N/mm² for static use.

Use and installation method

Mobile laying: for use indoor, outdoor, and in work-shops with explosive atmospheres. Suitable for connections subject to moderate mechanical loads including electrical tools, machine tools (only for signalling and control), motors or portable machines on building sites, or agricultural applications. For fixed installation can be used in temporary buildings or work site sheds. Suitable for connecting the constructional elements of lifting devices and machines. Up to 1000 V alternating or direct current in static, protected installations inside pipes or equipment and for connecting the motors of lifting equipment.

Five-core

Formation (*)	Approx. conductor Ø	Average insulation thickness	Average sheath thickness	Max. external Ø	Max. electrical resistance at 20°C	Approx. cable weight	Mobile installation in open air, ambient temperature 30 °C	Fixed and protected installation in open air, ambient temperature 30°C	Voltage drop
n° x mm ²	mm	mm	mm	mm	Ω/km	kg/km	A	A	V/A-Km
5G1	1,3	0,8	1,6	13,1	19,5	159	10	16	39
5G1,5	1,5	0,8	1,8	14,4	13,3	196	16	21	26,5
5G2,5	2,0	0,9	2,0	17,0	7,98	303	20	29	16,0
5G4	2,5	1,0	2,2	19,9	4,95	401	30	38	9,93
5G6	3,0	1,0	2,5	22,2	3,30	565	38	50	6,63
5G10	4,0	1,2	3,6	29,1	1,91	967	54	68	3,87
5G16	5,0	1,2	3,9	33,3	1,21	1355	71	92	2,47
5G25	6,2	1,4	4,4	40,4	0,780	2008	94	122	1,61
5G35	7,4	1,4	4,6	45,1	0,554	2560	114	150	1,17
5G50	8,9	1,6	5,2	53	0,386	3590	143	182	0,844
5G70	10,5	1,6	5,7	60	0,272	4833	178	232	0,609
5G95	12,2	1,8	6,3	67	0,206	6257	210	281	0,484

(*) also available without the green/yellow

N.B. For current rating refer to table "Current carryings. Correction factors. Voltage drops"