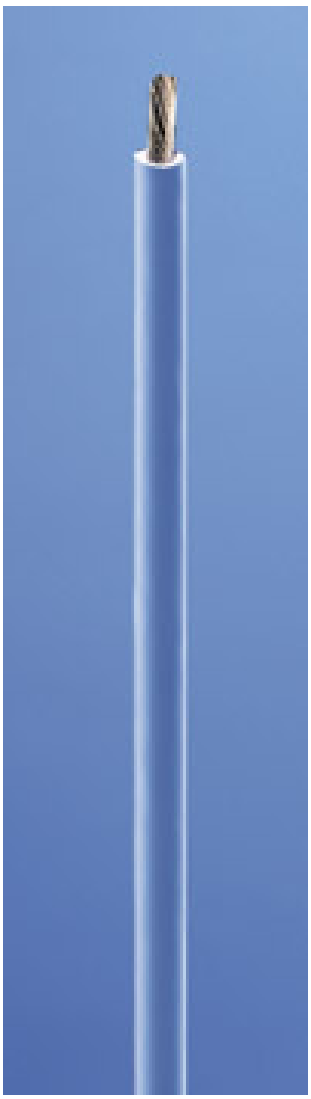
N07G9-K

Fire-retardant elastomer cross-linked flexible single core cable without emission of corrosive gases

CEI 20-38
CEI 20-22/2
CEI 20-37/4 EN 61034-2 EN 50267-2-1
CEI UNEL 35368
Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive



Construction features
Red copper flexible conductor; elastomer cross-linked insulation in G9 quality.

Marking
Stamp with special ink:
IEMMEQU CEI 20-22 II CEI 20-38 N07G9-K IRCE CABLES <section><year>

Application
Suitable for hazardous environments, fire, where it is essential to ensure maximum protection to people such as schools, offices, subways, theaters, discos, cinemas, hotels, supermarkets, etc.
Suitable for fixed installation in pipes or ducts or into illumination or inside of switching apparatuses and control up to 1000 V AC or 750 V DC to ground.
NOT SUITABLE FOR EXTERNAL LAYING

Warning
(*) For installations at risk of fire, maximum operating temperature of 55 ° C and a temperature of maximum short-circuit 140 ° C. The flow rates are proportionately reduced and are obtained by multiplying by 0.8 the values of the table.
Capacities are calculated on a conductor of 3-4 cables with only 3 active conductors.

Nominal voltage:
U_0/U = 450/750V

Minimum bending radius:
4 x external diameter

Operating temperature:
90° C (*)

Tractive effort in laying:
50 N/mm² of copper section maximum

Short circuit temperature:
250° C (*)

Laying maximum:
-15° C minimum

Number of cores and nominal cross sectional area n° x mm²	Maximum wires diameter mm	Average Insulator thickness mm	Maximum external diameter mm	Cable approximate weight kg / km	Maximum resistance at 20° C Ohm / km	Current capacity at 30° C (A)	
						Open conduit	In air or pipe
1 x 1,0	0,21	0,70	3,00	14,4	19,5	17	15
1 x 1,5	0,26	0,70	3,40	19,1	13,3	22	19,5
1 x 2,5	0,26	0,80	4,10	30,3	7,98	30	26
1 x 4,0	0,31	0,80	4,80	44,4	4,95	40	35
1 x 6,0	0,31	0,80	5,30	62,0	3,30	52	46
1 x 10	0,41	1,00	6,80	105	1,91	71	63
1 x 16	0,41	1,00	8,70	158	1,21	96	85
1 x 25	0,41	1,20	10,2	246	0,780	127	112
1 x 35	0,41	1,20	11,7	337	0,554	125	111
1 x 50	0,41	1,40	13,9	480	0,386	190	168
1 x 70	0,51	1,40	16,0	695	0,272	242	213
1 x 95	0,51	1,60	18,2	920	0,206	293	258
1 x 120	0,51	1,60	20,2	1140	0,161	338	300
1 x 150	0,51	1,80	22,5	1420	0,129	390	345
1 x 185	0,51	2,00	24,5	1750	0,106	440	390
1 x 240	0,51	2,20	28,4	2260	0,0801	520	460