

PVC flexible cable with copper braid shield PVC sheathed flame retardant and low emission of corrosive gases

CEI 20-20 a IMQ CPT-007

CEI 20-22/2

EN 50267-2-1

EN 50414

Low voltage directive 2006/95/CE

RoHS 2011/65/CE directive



**FROR
450/750 V**



Manufacturing characteristics

Conductor stranded bare copper, PVC insulation special quality TI2, PVC sheath special quality of TM2 gray.

Marking

Marking with special ink:

IRCE IEMMEQU CEI 20-22 II FLAME RETARDANT Pb free FROR 450/750 V

<nr. conductors x section><year><metric marking>

Application – intended use

Adatti per trasporto energia in collegamenti mobili e per posa fissa in ambienti a rischio in caso di incendio come ad esempio luoghi di pubblico spettacolo e intrattenimento. Possono essere installati in locali secchi o umidi e per impiego temporaneo o intermittente anche all'esterno.

Warning

(*) For mobile installations operating temperature max 60 ° C and max short circuit temperature of 150 ° C.

Flow rates for 4- 0r 5 core cables are calculated for three active conductors.



Nominal voltage:

$U_0/U = 450/750V$



Minimum bending radius:

3 x ext. diameter for fixed laying
9 x ext. diameter for mobile laying



Operating temperature:

70° C (*)



Traction force during laying:

50 N/mm² of copper section max for fixed layings
15 N/mm² of copper section max for mobile layings



Short circuit temperature:

160° C (*)



Temperatura di posa:

minimum 0° C

Number of conductors nom. cross section area n° x mm ²	Strands conductor maximum diameter mm	Average insulation thickness mm	Average sheath thickness mm	Maximum external cable diameter mm	Cable nominal weight kg / km	Max conductor resistance at 20° C Ohm / km	Current carrying at 30° C (A)		
							fixed laying	pipe or conduit	mobile service
2 x 1,0	0,21	0,70	1,00	8,70	78	19,50	15,0	13,5	12,5
2 x 1,5	0,26	0,70	1,00	9,20	93	13,30	19,5	17,5	17,0
2 x 2,5	0,26	0,80	1,20	11,20	140	7,98	26,0	24,0	22,5
2 x 4,0	0,31	0,80	1,20	12,50	183	4,95	35,0	32,0	30,0
2 x 6,0	0,31	0,80	1,30	13,90	240	3,30	46,0	41,0	40,0
3 x 1,0	0,21	0,70	1,00	9,10	91	19,50	15,0	13,5	12,5
3 x 1,5	0,26	0,70	1,00	9,80	110	13,30	19,5	17,5	17,0
3 x 2,5	0,26	0,80	1,20	11,90	168	7,98	26,0	24,0	22,5
3 x 4,0	0,31	0,80	1,30	13,50	237	4,95	35,0	32,0	30,0
3 x 6,0	0,31	0,80	1,40	14,90	305	3,30	46,0	41,0	40,0
4 x 1,0	0,21	0,70	1,00	9,90	108	19,5	15,0	13,5	12,5
4 x 1,5	0,26	0,70	1,10	10,90	138	13,3	19,5	17,5	17,0
4 x 2,5	0,26	0,80	1,20	12,90	203	7,98	26,0	24,0	22,5
4 x 4,0	0,31	0,80	1,30	14,70	280	4,95	35,0	32,0	30,0
4 x 6,0	0,31	0,80	1,40	16,30	375	3,30	46,0	41,0	40,0
5 x 1,0	0,21	0,70	1,10	11,10	135	19,5	15,0	13,5	12,5
5 x 1,5	0,26	0,70	1,20	12,00	170	13,3	19,5	17,5	17,0
5 x 2,5	0,26	0,80	1,30	14,30	255	7,98	26,0	24,0	22,5
5 x 4,0	0,31	0,80	1,50	16,50	360	4,95	35,0	32,0	30,0
5 x 6,0	0,31	0,80	1,50	18,00	470	3,30	46,0	41,0	40,0