

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

FROH2R
300/500 V

CEI 20-20 and IMQ CPT-007
CEI 20-22/2
EN 50267-2-1
EN 50414



Low voltage directive 2006/95/CE
RoHS 2011/65/CE directive

Manufacturing characteristics

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

Marking

Marking with special ink:
IRCE IEMMEQU CEI 20-22 II Pb free FROH2R 300/500V
<nr. conductors x section><year><metric marking>

Application – intended use

Suitable for mobile connections and for fixed installation in environments with fire risks, such as places of public entertainment and entertainment. The screen provides excellent protection of electromagnetic interference. They can be installed in dry or moist for short term use outside.

Warning

(*) For mobile installations operating temperature max 60 ° C and max short circuit temperature of 150 ° C.
Flow rates are calculated for three active conductors.



Nominal voltage:
 $U_0/U = 300/500V$



Minimum bending radius:
6 x ext. diameter for fixed layings
15 x ext. diameter for mobile layings



Operating temperature:
70° C (*)



Traction force during laying:
50 N/mm² of copper section max for fixed layings
20 N/mm² of copper section max for mobile layings



Short circuit temperature:
160° C (*)



Laying temperature:
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	Max current carrying at 30° C (A)	
							fixed layings	conduit or pipe layings
7 x 1,0	0,21	0,60	1,0	11,9	165	19,50	10	9
7 x 1,5	0,26	0,70	1,2	14,2	225	13,30	13	11,5
12 x 1,0	0,21	0,60	1,2	16,1	270	19,50	9	8
12 x 1,5	0,26	0,70	1,4	18,9	380	13,30	11	10
24 x 1,0	0,21	0,60	1,5	22,1	510	19,50	7	6,5
24 x 1,5	0,26	0,70	1,7	26,0	700	13,30	9	8