

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

# FROH2R

## 450/750 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 450/750 V  
 <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:**  
 $U_0/U = 450/750V$



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



**Operating temperature:**  
 70° C (\*)



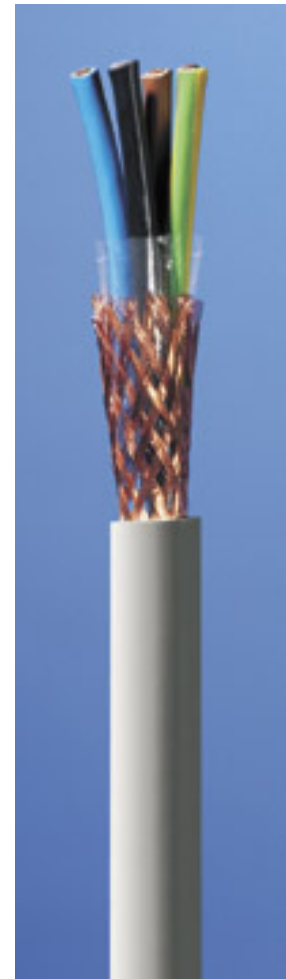
**Traction force during laying:**  
 50 N/mm<sup>2</sup> of copper section max for fixed layings  
 20 N/mm<sup>2</sup> of copper section max for mobile layings



**Short circuit temperature:**  
 160° C (\*)



**Laying temperature:**  
 minimum 0° C



Number of conductors nom. cross section area n° x mm <sup>2</sup>	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
2 x 1,0	0,21	0,70	1,0	9,8	82	19,50
2 x 1,5	0,26	0,70	1,0	10,5	100	13,30
2 x 2,5	0,26	0,80	1,2	12,4	145	7,98
2 x 4,0	0,31	0,80	1,2	13,7	180	4,95
2 x 6,0	0,31	0,80	1,3	16,1	250	3,30
3 x 1,0	0,21	0,70	1,0	10,3	105	19,50
3 x 1,5	0,26	0,70	1,0	11,1	122	13,30
3 x 2,5	0,26	0,80	1,2	13,0	177	7,98
3 x 4,0	0,31	0,80	1,3	14,8	240	4,95
3 x 6,0	0,31	0,80	1,4	17,3	325	3,30
4 x 1,0	0,21	0,70	1,0	11,1	125	19,50
4 x 1,5	0,26	0,70	1,1	12,2	154	13,30
4 x 2,5	0,26	0,80	1,2	14,1	225	7,98
4 x 4,0	0,31	0,80	1,3	16,3	310	4,95
4 x 6,0	0,31	0,80	1,4	18,8	405	3,30
5 x 1,0	0,21	0,70	1,1	12,2	155	19,50
5 x 1,5	0,26	0,70	1,2	13,4	190	13,30
5 x 2,5	0,26	0,80	1,3	15,5	275	7,98
5 x 4,0	0,31	0,80	1,4	18,1	395	4,95
5 x 6,0	0,31	0,80	1,5	20,7	500	3,30