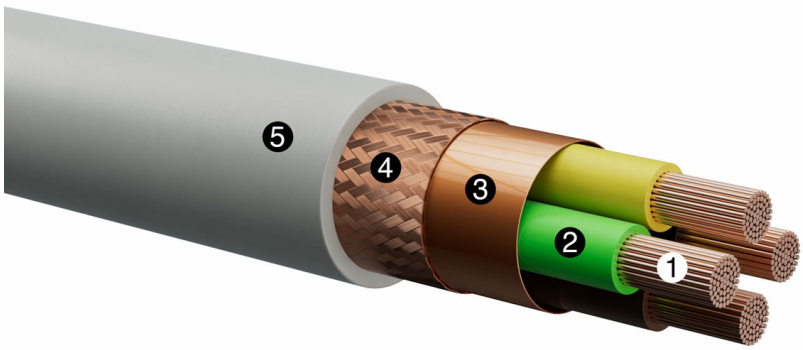
FR2OHH2R 450/750V O.R.

Power, control and signalling cables, Al/Pet tape and red copper braid shielded, fire retardant, low halogens emission and oil resistant.



Legend

1. Conductor
2. Insulation
3. Screen:
4. Screen:
5. Sheath

CPR 305/2011

CPR CLASSIFICATIONS
Cca-s3,d0,a3

View the product on the website

DETAILS

Key features

For fixed indoor installation in dry or wet environments and temporarily outdoor. They can be installed in cable trays, pipes, conduits and similar systems. Not for direct burial.

Application

For sections smaller than 1.5mmq, they are suitable for the transmission of signals and commands for the interconnection of instrumentation and control systems with digital or analog signal transmission. For larger sections, they are suitable for energy transport and the transmission of signals and controls intended for interconnection between parts of construction machines, equipment generally including machine tools, where a certain level of protection against electromagnetic interference (Copper braid) and electrostatic (aluminum / polyester tape). In environments that do not face with high risk of fire as buildings intended for civil use, with a fire height less than 24 m, waiting room, bar, restaurant, medical studio. (Low risk - bunch laying)

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TECHNICAL SPECIFICATIONS

Features	Values	Rules
Conductors:	annealed red copper	CEI EN 60228 (Table 9)
Insulation :	PVC, quality R2	CEI EN 50363
Cores colour:	black for single core	
	<= 1mmq	DIN 47100
	<= 1mmq with yellow/green	CEI UNEL 00722 - HD 308
	> 1mmq	CEI UNEL 00722 - HD 308
Screen:	Al/Pet tape (multicore cables)	
Screen:	braid of annealed red copper	
Sheath:	PVC, quality TM2	CEI EN 50363
Sheath colour :	Grey RAL 7035	
Low halogens emission:	(< 22%)	IEC 60754-1
Oil resistant:		CEI 20-34/0-1
DC resistance:	(0,22 mm² <= 91 ohm/km) (0,35 mm² <= 57 ohm/km)	CEI EN 60228 (Table 9)
Rated voltage Uo/U:	450/750 V	
Max voltage :	825 V	
Testing voltage :	2500 V	
Max working temperature :	70 °C	
Short circuit temperature:	160 °C	
Min. installation temperature:	0 °C	
Bending radius:	Ø x 8	
Max standard twisting (2x cable):	>= 10 twist/meter	

UE REGULATION 305/2011

Features	Values	Rules
SYSTEM AVCP	1+	EN 50575:2014 + A1:2016
Classification	Cca-s3,d0,a3	UNI EN 13501-6
Cca	Heat release and flame spread(FS <= 2m)	EN 50399
s3	Smoke production (not s1 or s2)	EN 50399
d0	No flaming droplets	EN 50399
a3	Gas acidity (not a1 or a2)	EN 50267-2-3
	Flame propagation (H <= 425 mm)	EN 60332-1-2
Printing:	BERICA CAVI S.P.A. ITALY FR2OHH2R 450/750 V O.R. Cca-s3,d0,a3 CE Type -Year/Lot - 00000 m .	

VARIANTS

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
2x0,22	4	21	B08C02022
3x0,22	4.1	27	B08C03022
4x0,22	4.5	29	B08C04022
5x0,22	4.8	40	B08C05022
6x0,22	5.1	40	B08C06022
8x0,22	5.6	49	B08C08022
10x0,22	6.3	58	B08C10022
12x0,22	6.6	64	B08C12022
16x0,22	7	80	B08C16022
25x0,22	8.8	127	B08C24022
2x0,35	4.8	28	B08C02035
3x0,35	5	34	B08C03035
4x0,35	5.6	43	B08C04035

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
5x0,35	6.1	53	B08C05035
6x0,35	6.7	60	B08C06035
8x0,35	7.2	72	B08C08035
1x0,50	3.2	23	B08C01050
2x0,50	5.2	35	B08C02050
3G0,50	5.4	42	B08C03G050
3x0,50	5.4	42	B08C03050
4x0,50	5.9	51	B08C04050
4G0,50	5.9	51	B08C04G050
5x0,50	6.5	63	B08C05050
6x0,50	7	73	B08C06050
7x0,50	7	78	B08C07050
8x0,50	7.4	88	B08C08050

L'azienda si riserva la facoltà di modificare/adeguare senza preavviso le informazioni tecniche e dimensionali dei prodotti inseriti nel sito.

VARIANTS

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
10x0,50	8.5	112	B08C10050
12x0,50	8.9	120	B08C12050
16x0,50	10	167	B08C16050
24x0,50	11.8	243	B08C24050
1x0,75	3.5	24	B08C01075
2x0,75	5.8	44	B08C02075
3x0,75	6.1	56	B08C03075
3G0,75	6.1	56	B08C03G075
4x0,75	6.8	68	B08C04075
4G0,75	6.8	68	B08C04G075
5x0,75	7.2	81	B08C05075
6x0,75	8	97	B08C06075
8x0,75	8	123	B08C08075
1x1	3.7	27	B08C01100
2x1	6.2	52	B08C02100
3x1	6.5	67	B08C03100
3G1	6.5	67	B08C03G100
4x1	7.2	80	B08C04100
4G1	7.2	80	B08C04G100
5x1	7.8	101	B08C05100
7x1	8.4	128	B08C07100
10x1	10.5	190	B08C10100
12x1	11.2	216	B08C12100
16x1	12.3	287	B08C16100
24x1	15.1	426	B08C24100

TYPE N° x mm²	Ø MEDIUM EXTERIOR mm	MEDIUM WEIGHT kg/km	CODE
2x1,5	7.1	71	B08C02150
3x1,5	7.5	91	B08C03150SGV
3G1,5	7.5	91	B08C03150
4x1,5	8.4	122	B08C04150SGV
4G1,5	8.4	122	B08C04150
5G1,5	9.1	140	B08C05150
7G1,5	10.2	193	B08C07150
10G1,5	12.3	279	B08C10150
12G1,5	12.9	330	B08C12150
16G1,5	14.5	418	B08C16150
24G1,5	17.5	604	B08C24150
2x2,5	8.3	104	B08C02250
3x2,5	8.8	136	B08C03250SGV
3G2,5	8.8	136	B08C03250
4x2,5	9.9	180	B08C04250SGV
4G2,5	9.9	180	B08C04250
5G2,5	10.4	212	B08C05250
7G2,5	11.4	323	B08C07250
12G2,5	15.4	532	B08C12250
2x4	10.3	176	B08C02400
3G4	11.1	226	B08C03400
4G4	12	280	B08C04400
2x6	11.6	233	B08C02600
4G6	13.8	384	B08C04600
4G10	17.6	641	B08C041000

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