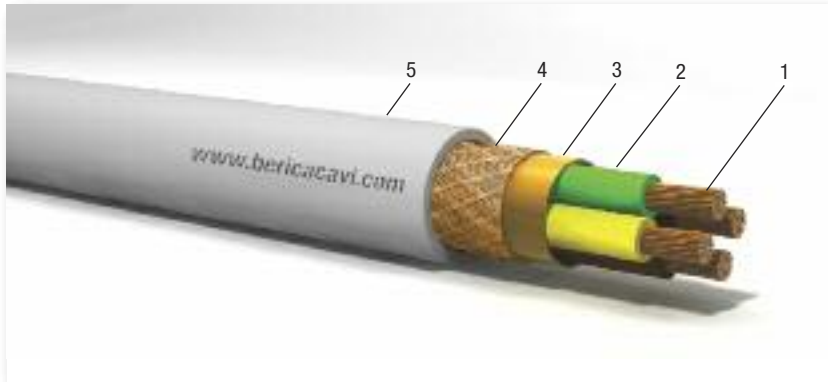


**Power, controls and signaling cables with Al/Pet tape and red copper braid shield, fire retardant and low halogens emission**


1. Conductor
2. Insulation
3. Shield
4. Shield
5. Sheath

**CPR**  
EU 305/2011

**Cca-s3,d0,a3**

**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 )**

**INSTALLATION:** 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.

FEATURES	DESCRIPTION	STANDARDS
Conductors:	annealed red copper	CEI EN 60228 (Tab. 9)
Insulation:	PVC R2 quality	CEI EN 50363
Cores colour:	black for single core	DIN 47100 ≤ 1mmq CEI UNEL 00722 - HD 308 ≥ 1 mmq
Shield:	Al/Pet tape	
Shield:	braid of annealed red copper	
Sheath:	PVC, TM2 quality	CEI EN 50363
Sheath colour:	grey RAL 7035	
Low halogens emission:	(< 22%)	CEI EN 50267-2-1 - IEC 60754-1
Oil resistant:		CEI 20-34/0-1
DC resistance:	(0,22 mm <sup>2</sup> ≤ 91 Ω/km) (0,35 mm <sup>2</sup> ≤ 57 Ω/km)	CEI EN 60228 (Tabella 9)
Rated voltage U <sub>0</sub> /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:	∅ x 8	
Max standard twisting (2x cable):	≥ 10 twist/meter	

**REGULATION (UE) 305/2011**

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 FR20HH2R 450/750 V O.R. Cca-s3,d0,a3 CE Type -Year/Lot - 00000 m

**Power, controls and signaling cables with Al/Pet tape and red copper braid shield, fire retardant and low halogens emission**

TYPE Nr x mm <sup>2</sup>	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE	TYPE Nr x mm <sup>2</sup>	MEDIUM Ø OUTER mm	MEDIUM WEIGHT kg/km	PRODUCT CODE
2x0,22	4,0	21	B08C02022	1x1	3,7	27	B08C01100
3x0,22	4,2	27	B08C03022	2x1	6,2	52	B08C02100
4x0,22	4,5	29	B08C04022	3x/G1	6,5	67	B08C03100
5x0,22	4,8	40	B08C05022	4x/G1	7,2	80	B08C04100
6x0,22	5,1	40	B08C06022	5x1	7,8	101	B08C05100
8x0,22	5,6	49	B08C08022	7x1	8,4	128	B08C07100
10x0,22	6,3	58	B08C10022	10x1	10,5	190	B08C10100
12x0,22	6,6	64	B08C12022	12x1	11,2	216	B08C12100
16x0,22	7,1	80	B08C16022	16x1	12,3	287	B08C16100
25x0,22	8,8	127	B08C24022	24x1	15,1	426	B08C24100
2x0,35	4,8	28	B08C02035	2x1,5	7,1	71	B08C02150
3x0,35	5,0	34	B08C03035	3x/G1,5	7,5	91	B08C03150
4x0,35	5,6	43	B08C04035	4x/G1,5	8,4	122	B08C04150
5x0,35	6,1	53	B08C05035	5G1,5	9,1	140	B08C05150
6x0,35	6,7	60	B08C06035	7G1,5	10,2	193	B08C07150
8x0,35	7,2	72	B08C08035	10G1,5	12,3	279	B08C10150
1x0,50	3,2	23	B08C01050	12G1,5	12,9	330	B08C12150
2x0,50	5,2	35	B08C02050	16G1,5	14,5	418	B08C16150
3x/G0,50	5,4	42	B08C03050	24G1,5	17,5	604	B08C24150
4x/G0,50	5,9	51	B08C04050	2x2,5	8,3	104	B08C02250
5x0,50	6,5	63	B08C05050	3x/G2,5	8,8	136	B08C03250
6x0,50	7,0	73	B08C06050	4x/G2,5	9,9	180	B08C04250
7x0,50	7,0	78	B08C07050	5G2,5	10,4	212	B08C05250
8x0,50	7,4	88	B08C08050	7G2,5	11,4	323	B08C07250
10x0,50	8,5	112	B08C10050	12G2,5	15,4	532	B08C12250
12x0,50	8,9	120	B08C12050	2x4	10,3	176	B08C02400
16x0,50	10,0	167	B08C16050	3G4	11,1	226	B08C03400
24x0,50	11,8	243	B08C24050	4G4	12,0	280	B08C04400
1x0,75	3,5	24	B08C01075	2x6	11,6	233	B08C02600
2x0,75	5,8	44	B08C02075	4G6	13,8	384	B08C04600
3x/G0,75	6,1	56	B08C03075	4G10	17,6	641	B08C041000
4x0,75	6,8	68	B08C04075				
5x0,75	7,2	81	B08C05075				
6x0,75	8,0	97	B08C06075				
8x0,75	8,6	123	B08C08075				