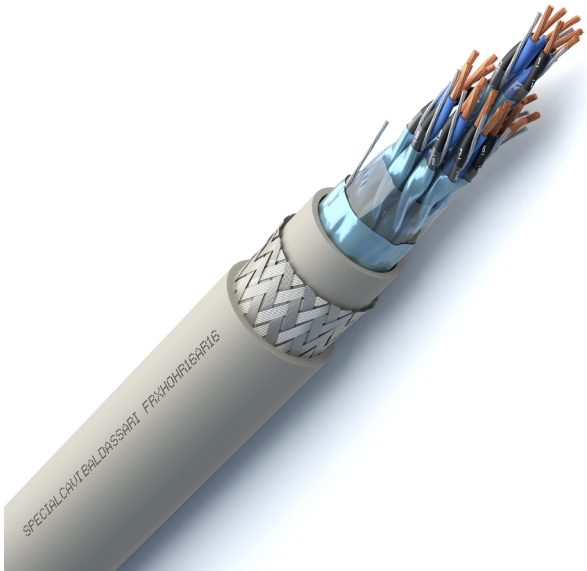




# FRXHOHR16AR16

Marking: &lt;meters&gt; CE 0987 SPECIALCAVI BALDASSARI FRXHOHR16AR16 &lt;formation&gt; 450/750V CEI 20-22 II &lt;lot&gt; &lt;year&gt; CCA-S2,D0,A3



## MANUFACTURING CHARACTERISTICS

**Conductor:**

Flexible bare copper, class 5

**Insulation:**

PVC compound, R2 type

**Stranding:**

Cores twisted in pairs

Pairs stranded in concentric layers

**Wrapping and protection:***1st wrapping and protection:*

Polyester tape on single pair

*2nd wrapping and protection:*

Overall polyester tape

**Shield:***1st shield:*

Aluminium/polyester tape on single pair with flexible tinned copper drain-wire

*2nd shield:*

Overall aluminium/polyester tape with flexible tinned copper drain-wire

**Inner sheath:**

PVC compound, R16 type

**Armour:**

Overall galvanized steel braid

**Outer sheath:**

PVC compound, UV resistant R16 type

**Colours:***Cores identification:*

Blue + Black, with progressive number on the black core

*Outer sheath colour:*

Grey (based on RAL 7035)

## ELECTRICAL CHARACTERISTICS

**Operating voltage:**

- 300/500V section  $\leq 0.75 \text{ mm}^2$
- 450/750V section  $\geq 1.00 \text{ mm}^2$

**Testing voltage:**

- 2000V section  $\leq 0.75 \text{ mm}^2$
- 2500V section  $\geq 1.00 \text{ mm}^2$

**Outer sheath operating voltage:** 0.6/1kV**Min. insulation resistance at 20°C > 200 M $\Omega$ xKm**

## APPLICATIONS

Cable conforms to the requirements in the Construction Products Regulations (CPR EU 305/11), aimed at limiting the production and diffusion of fire and smoke.\*\*

## STANDARDS

CEI 20-29 IEC 60228

CEI 20-11

CEI EN 60332-3-24 Cat.C

IEC 60332-3-24 Cat.C

## REACTION TO FIRE CLASS

**EN 50575:2016 C<sub>ca</sub> - s2, d0, a3**

## TEMPERATURES

**Minimum working temperature:** -15°C**Maximum working temperature:** +70°C**Maximum short circuit temperature:** +160°C

## LAYING CONDITIONS



Minimum installation temperature 0°C



Min. bending radius d10

Max tensile stress: 50 N/mm<sup>2</sup> of the copper cross-section

Fixed laying



In open air



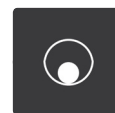
In duct or cable tray



In buried trough



Buried with protection



In buried duct



Directly buried

## ON REQUEST

- Blue or Black outer sheath colour

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## \*\*APPLICATIONS

Multipair cable shielded on the single pair and overall suitable for electronic, data transmission between central and peripherals units and for interconnections between devices where a high quality of the transmitted signals is required. This cable can always be installed, in coexistence with 450/750V power cables. Furthermore, if it's used to supply power to category 0 systems (nominal voltage less than or equal to 50V AC, or 120V non-inverted DC), it can also be installed in coexistence with 0.6/1kV power cables that supply 230/400V nominal voltage loads.

**Underground laying is not permitted, even if protected.**

PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEOGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*FXHHAZ05002	2 X 2 X 0.50	10.8	190	39.00
*FXHHAZ05003	3 X 2 X 0.50	11.3	214	39.00
*FXHHAZ05004	4 X 2 X 0.50	12.2	250	39.00
*FXHHAZ05005	5 X 2 X 0.50	13.7	301	39.00
*FXHHAZ05006	6 X 2 X 0.50	14.5	340	39.00
*FXHHAZ05008	8 X 2 X 0.50	15.6	408	39.00
*FXHHAZ05010	10 X 2 X 0.50	17.5	501	39.00
*FXHHAZ05012	12 X 2 X 0.50	18.5	563	39.00
*FXHHAZ05016	16 X 2 X 0.50	20.6	705	39.00
*FXHHAZ05020	20 X 2 X 0.50	22.5	847	39.00
*FXHHAZ05024	24 X 2 X 0.50	24.6	988	39.00
<b>Separator</b>				
*FXHHAZ07502	2 X 2 X 0.75	12.4	243	26.00
*FXHHAZ07503	3 X 2 X 0.75	13.5	281	26.00
*FXHHAZ07504	4 X 2 X 0.75	14.5	331	26.00
*FXHHAZ07505	5 X 2 X 0.75	15.9	391	26.00
*FXHHAZ07506	6 X 2 X 0.75	17.2	454	26.00
*FXHHAZ07508	8 X 2 X 0.75	18.5	543	26.00
*FXHHAZ07510	10 X 2 X 0.75	20.8	665	26.00
*FXHHAZ07512	12 X 2 X 0.75	21.8	474	26.00
*FXHHAZ07516	16 X 2 X 0.75	24.6	950	26.00
*FXHHAZ07520	20 X 2 X 0.75	27.1	1156	26.00
*FXHHAZ07524	24 X 2 X 0.75	29.5	1353	26.00

<sup>1</sup> According to in-stock availability, cable which must be produced on request and minimum quantity  
<sup>2</sup> Unless otherwise specified, the values for weight and diameter are indicative.  
 Note: other values, if available and released for publication, are available on request.

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PART NUMBER	FORMATION	OUTER DIAMETER <sup>1</sup>	WEIGHT <sup>1</sup>	MAX ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm <sup>2</sup> ]	[mm]	[kg/km]	[Ohm/km]
*FXHHAZ10002	2 X 2 X 1.00	13.7	285	19.50
*FXHHAZ10003	3 X 2 X 1.00	14.2	314	19.50
*FXHHAZ10004	4 X 2 X 1.00	15.7	381	19.50
*FXHHAZ10005	5 X 2 X 1.00	17.0	449	19.50
*FXHHAZ10006	6 X 2 X 1.00	18.7	522	19.50
*FXHHAZ10008	8 X 2 X 1.00	19.8	625	19.50
*FXHHAZ10010	10 X 2 X 1.00	22.5	774	19.50
*FXHHAZ10012	12 X 2 X 1.00	23.7	872	19.50
*FXHHAZ10016	16 X 2 X 1.00	26.4	1091	19.50
*FXHHAZ10020	20 X 2 X 1.00	29.4	1343	19.50
*FXHHAZ10024	24 X 2 X 1.00	32.0	1577	19.50
<b>Separator</b>				
*FXHHAZ15002	2 X 2 X 1.50	15.8	370	13.00
*FXHHAZ15003	3 X 2 X 1.50	16.7	417	13.00
*FXHHAZ15004	4 X 2 X 1.50	18.4	503	13.00
*FXHHAZ15005	5 X 2 X 1.50	20.2	606	13.00
*FXHHAZ15006	6 X 2 X 1.50	21.8	689	13.00
*FXHHAZ15008	8 X 2 X 1.50	23.4	839	13.00
*FXHHAZ15010	10 X 2 X 1.50	26.4	1024	13.00
*FXHHAZ15012	12 X 2 X 1.50	27.9	1171	13.00
*FXHHAZ15016	16 X 2 X 1.50	31.4	1482	13.00
*FXHHAZ15020	20 X 2 X 1.50	35.0	1835	13.00
*FXHHAZ15024	24 X 2 X 1.50	37.9	2134	13.00

<sup>1</sup> According to in-stock availability, cable which must be produced on request and minimum quantity

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