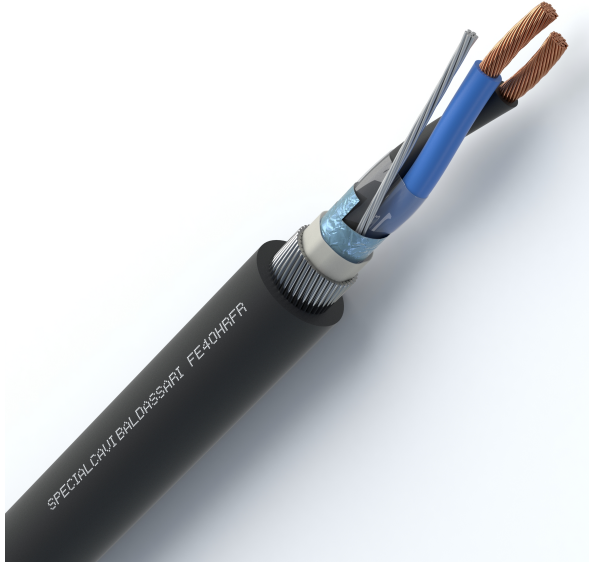




FE4OHRFR

Marking: <meters> CE 0987 SPECIALCAVI BALDASSARI FE4OHRFR <formation> 0.6/1kV <lot> <year> DCA-S3,D2,A3



MANUFACTURING CHARACTERISTICS

Conductor:

Flexible bare copper, class 5

Insulation:

XLPE compound

Stranding:

Cores twisted/stranding in concentric layers

Wrapping and protection:

Overall polyester tape

Shield:

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

Inner sheath:

PVC compound, flame retardant

Armour:

Wire steel galvanized without steel tape against spiral

Outer sheath:

PVC compound, UV resistant

Colours:*Cores identification:*

2 cores = Blue + Brown

3 cores = Blue + Brown + Black

> 3 cores = Black with progressive number on the black core

Outer sheath colour:

Black (based on RAL 9005)

STANDARDS

CEI 20-29 IEC 60228

CEI 20-11

CEI 20-13 P.Q.A.

REACTION TO FIRE CLASS

EN 50575:2016 $D_{ca} - s3, d2, a3$

TEMPERATURES

Minimum working temperature: -15°C Maximum working temperature: $+90^{\circ}\text{C}$ Maximum short circuit temperature: $+250^{\circ}\text{C}$

LAYING CONDITIONS

Minimum installation temperature 0°C Min. bending radius $d14$ Max tensile stress: $50\text{N}/\text{mm}^2$ of the copper cross-section

Fixed laying



In free air



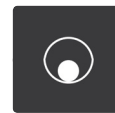
In duct or cable tray



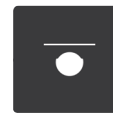
In buried trough



Buried with protection



In buried duct



Directly buried

ELECTRICAL CHARACTERISTICS

Operating voltage: 0.6/1kV

Outer sheath operating voltage: 0.6/1kV

Testing voltage: 4000V

ON REQUEST

- Blue outer sheath
- Colour cores customized (es.: DIN 47100)
- Armour with steel tape against spirale
- Oil resistant outer sheath

APPLICATIONS

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

Globally shielded multipole armoured cable suitable for data transmissions between central and peripheral units and for interconnection between equipment where high quality of transmitted signals is required. The galvanized steel braid armor, offering special mechanical protection and strength, makes it particularly suitable for applications in industrial environments where severe service requirements are present.

This cable can always be installed in coexistence with 450/750V or 0.6/1kV energy cables.

Underground, direct or indirect laying is permitted.



FE4OHRFR

PART NUMBER	FORMATION	OUTER DIAMETER ¹	WEIGHT ¹	MAX. ELECTRICAL RESISTANCE AT 20°C
[n°]	[n° x mm ²]	[mm]	[kg/km]	[Ohm/km]
*FE4OHRFR05002	2 X 0.50	10.0	150	39.00
*FE4OHRFR05003	3 X 0.50	10.3	165	39.00
*FE4OHRFR05004	4 X 0.50	10.9	182	39.00
*FE4OHRFR05006	6 X 0.50	12.3	219	39.00
*FE4OHRFR05008	8 X 0.50	14.2	284	39.00
*FE4OHRFR05010	10 X 0.50	15.1	320	39.00
*FE4OHRFR05012	12 X 0.50	15.1	328	39.00
*FE4OHRFR05016	16 X 0.50	16.8	398	39.00
*FE4OHRFR05020	20 X 0.50	18.3	467	39.00
*FE4OHRFR05025	25 X 0.50	20.1	541	39.00
*FE4OHRFR05030	30 X 0.50	21.1	614	39.00
*FE4OHRFR05036	36 X 0.50	22.4	686	39.00
*FE4OHRFR05041	41 X 0.50	24.0	783	39.00
Separator				
*FE4OHRFR07502	2 X 0.75	10.6	175	26.00
*FE4OHRFR07503	3 X 0.75	10.9	183	26.00
*FE4OHRFR07504	4 X 0.75	11.9	211	26.00
*FE4OHRFR07506	6 X 0.75	13.4	267	26.00
*FE4OHRFR07508	8 X 0.75	15.4	342	26.00
*FE4OHRFR07510	10 X 0.75	16.9	394	26.00
*FE4OHRFR07512	12 X 0.75	16.9	406	26.00
*FE4OHRFR07516	16 X 0.75	18.4	485	26.00
*FE4OHRFR07520	20 X 0.75	20.2	570	26.00
*FE4OHRFR07525	25 X 0.75	22.4	685	26.00
*FE4OHRFR07530	30 X 0.75	23.3	763	26.00
*FE4OHRFR07536	36 X 0.75	25.0	875	26.00
*FE4OHRFR07541	41 X 0.75	26.9	996	26.00
Separator				
*FE4OHRFR10002	2 X 1.00	11.0	189	19.50
*FE4OHRFR10003	3 X 1.00	11.3	196	19.50
*FE4OHRFR10004	4 X 1.00	12.4	230	19.50
*FE4OHRFR10005	5 X 1.00	13.3	267	19.50
*FE4OHRFR10007	7 X 1.00	14.3	308	19.50
*FE4OHRFR10008	8 X 1.00	16.4	384	19.50
*FE4OHRFR10010	10 X 1.00	17.9	448	19.50

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



FE4OHRFR

PART NUMBER [n°]	FORMATION [n° x mm²]	OUTER DIAMETER ¹ [mm]	WEIGHT ¹ [kg/km]	MAX. ELECTRICAL RESISTANCE AT 20°C [Ohm/km]
*FE4OHRFR10012	12 X 1.00	17.9	463	19.50
*FE4OHRFR10016	16 X 1.00	19.5	553	19.50
*FE4OHRFR10019	19 X 1.00	20.4	613	19.50
*FE4OHRFR10025	25 X 1.00	23.9	801	19.50
*FE4OHRFR10030	30 X 1.00	24.9	880	19.50
*FE4OHRFR15002	2 X 1.50	12.1	222	13.30
*FE4OHRFR15003	3 X 1.50	12.5	242	13.30
*FE4OHRFR15004	4 X 1.50	13.5	279	13.30
*FE4OHRFR15005	5 X 1.50	14.7	321	13.30
*FE4OHRFR15007	7 X 1.50	15.6	378	13.30
*FE4OHRFR15010	10 X 1.50	19.7	545	13.30
*FE4OHRFR15012	12 X 1.50	19.7	567	13.30
*FE4OHRFR15016	16 X 1.50	21.9	707	13.30
*FE4OHRFR15019	19 X 1.50	22.9	779	13.30
*FE4OHRFR15025	25 X 1.50	26.9	1025	13.30

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