

**FEO 600/1000V**

[CH]CPR Dca-s2,d2,a2

Model Product: B83-B84 - 20180212

**general**  
**CAVI** s.p.a.

Conduttore RIGIDO di rame rosso ricotto. Classe 1 e Classe 2

Isolamento in XLPE, qualità 2X11

Riempitivo in materiale non fibroso e non igroscopico

Guaina termoplastica LSZH, qualità HM2.

**NORME DI RIFERIMENTO**

DIN VDE 0250-214 DIN VDE 0207 DIN VDE 0472

EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

**CONDIZIONI DI IMPIEGO PIU' COMUNI**

Halogen-free plastic sheathed cable with enhanced characteristics in case of fire, used for applications where harm to human life and damage to property must be prevented in the event of fire, e.g. industrial installations, communal establishment, hotels, airports, underground stations, railway stations, hospitals, departmental stores, banks, schools, theaters, multi storey buildings, process control centres. Suitable for installation in dry, damp or wet environments, for installation above and below plaster as well as masonry walls and in concrete, nevertheless not suitable for direct use in compacted or tamped concrete. Also suitable for outdoor applications. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

**CONDIZIONI DI POSA**

Raggio minimo di curvatura per diametro D (in mm):

Normal use =  $4D < 8 - 5D < 12 - 6D > 12$

Accurate bending close to the terminal =  $2D < 8 - 3D < 12 - 4D > 12$

Sforzo massimo di tiro: 50 N/mm<sup>2</sup>

**IMBALLO**

100mt. rings in thermoplastic film or drums to agree.

XLPE INSULATED CABLES OF RATED VOLTAGES UP TO 600/1000V WITH CROSSLINKED POLYMER AND L.S.O.H.

Tensione nominale U0: 600 V

Tensione nominale U: 1000 V

Temperatura massima di esercizio: +90°C

Temperatura massima di corto circuito: +250°C

Temperatura minima di installazione e posa: +5°C

Temperatura minima di esercizio (senza shock meccanico): -25°C

**COLORI ANIME**

Unipolare: black

Bipolare: blue-brown

Tripolare: Y/G-blue-brown

Quadripolare: Y/G-brown-black-grey

Pentapolare: Y/G-blue-brown-black-grey

**COLORI GUAINA**

Grey

**MARCATURA AD INCHIOSTRO**

GENERAL CAVI Dca-s2,d2,a2 FE0 600/1000V n° x sect year

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Cores number (N°)	Cross section (mm <sup>2</sup> )	Insulation medium thickness (mm)	Sheath medium thickness (mm)	Approx external production diameter		Approx cable weight (kg/km)	Electric resistance at 20°C (Ohm/km)	Heat index (kWh/m)	Max short circuit current (kA)
				min (mm)	max (mm)				
Unipolare									
1x	4RE	0.6	1.4	6.0	10.0	80	4.61	0.42	0.46
1x	6RE	0.6	1.4	6.4	10.5	100	3.08	0.44	0.69
1x	10RM	0.7	1.4	7.4	12.0	150	1.83	0.53	1.15
1x	16RM	0.7	1.4	8.6	13.5	210	1.15	0.64	1.84
1x	25RM	0.9	1.6	9.5	14.5	320	0.727	-	-
1x	35RM	0.9	1.6	12.0	15.0	410	0.524	-	-
1x	50RM	1.0	1.6	13.5	16.2	530	0.387	-	-
1x	70RM	1.1	1.6	15.1	17.5	750	0.268	-	-
1x	95RM	1.1	1.6	17.3	19.1	1050	0.193	-	-
1x	120RM	1.2	1.6	19.0	21.5	1300	0.153	-	-
1x	150RM	1.4	1.8	21.3	23.8	1600	0.124	-	-
1x	185RM	1.6	1.8	24.0	26.0	2000	0.0991	-	-
1x	240RM	1.7	1.8	26.9	29.0	2500	0.0754	-	-
1x	300RM	1.8	2.0	29.8	31.5	3100	0.0601	-	-
1x	400RM	2.0	2.0	34.0	37.0	3900	0.0470	-	-
1x	500RM	2.2	2.2	37.2	39.5	5000	0.0366	-	-
Bipolare									
2x	1.5RE	0.5	1.4	8.0	9.4	120	12.1	0.36	0.17
2x	2.5RE	0.5	1.4	8.8	10.5	150	7.41	0.42	0.29
2x	4RE	0.6	1.4	10.0	12.0	280	4.61	0.56	0.46
2x	6RE	0.6	1.4	13.0	15.0	430	3.08	-	-
2x	10RM	0.7	1.8	15.6	17.8	600	1.83	-	-
2x	16RM	0.7	1.8	17.0	19.5	930	1.15	-	-
2x	25RM	0.9	1.8	21.2	23.8	1200	0.727	-	-
2x	35RM	0.9	1.8	23.3	29.9	1600	0.524	-	-
Tripolare									
3x	1.5RE	0.5	1.4	8.4	9.8	133	12.1	0.42	0.17
3x	2.5RE	0.5	1.4	9.3	11.0	176	7.41	0.47	0.26
3x	4RE	0.6	1.4	10.5	12.5	247	4.61	0.61	0.46
3x	6RE	0.6	1.6	12.0	14.0	335	3.08	0.78	0.69
3x	10RM	0.7	1.6	14.5	16.5	496	1.83	1.1	1.15
3x	16RM	0.7	1.8	18.5	20.5	770	1.15	-	-
3x	25RM	0.9	1.8	22.2	25.9	1200	0.727	-	-
3x	35RM	0.9	1.8	25.0	27.9	1500	0.524	-	-
Quadripolare									

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				min (mm)	max (mm)				
4x	1.5RE	0.5	1.4	9.0	10.5	142	12.1	0.47	0.17
4x	2.5RE	0.5	1.4	10.0	11.5	188	7.41	0.56	0.29
4x	4RE	0.6	1.6	12.0	14.0	279	4.61	0.78	0.46
4x	6RE	0.6	1.6	12.5	15.5	371	1.83	1.3	1.15
4x	10RM	0.7	1.6	15.5	18.0	569	1.83	1.3	1.15
4x	16RM	0.7	1.6	19.0	22.5	849	1.15	1.8	1.84
4x	25RM	0.9	1.8	23.5	28.0	1298	0.73	2.6	2.88
4x	35RM	0.9	1.8	26.5	31.0	1731	0.52	3.1	4.02
Pentapolare									
5x	1.5RE	0.5	1.4	9.6	11.5	183	12.1	0.56	0.17
5x	2.5RE	0.5	1.4	10.5	12.5	249	7.41	0.64	0.29
5x	4RE	0.6	1.6	13.0	15.5	370	4.61	0.98	0.46
5x	6RE	0.6	1.6	14.5	16.5	488	3.08	1.1	0.69
5x	10RM	0.7	1.6	17.0	19.5	739	1.83	1.5	1.15
5x	16RM	0.7	1.8	21.0	25.0	1200	1.15	2.2	1.84
5x	25RM	0.9	1.8	25.5	30.5	1800	0.73	3.1	2.88
5x	35RM	0.9	1.8	30.2	32.9	2300	0.524	3.1	4.02

RE=rigid single wire conductor class 1

RM=rigid stranded multiwires conductor class 2