

EB AQUAFLEX type 07 (XLPE)

Cable for potable water applications

Flexible cables XLPE insulated



TECHNICAL DATA

Nominal tension	450/750 V
Conditions of employment	Special XLPE compound sheathed suitable for permanent use in water.
Type of electrical conductor	Flexible red copper
Type of insulation	EI7 (EN 50363-1)
Type of outer sheath	XLPE
Color of the outer sheath	Blue
Operating temperature	-40° C +90° C
Short circuit temperature	+200° C on the conductor (5 sec. max)
Test voltage	2500 V
Cable marking	EB AQUAFLEX ACS KTW WRAS (sezione) mm ²
Minimum radius of curvature	Mobile installation: 4 times the outer diameter, fixed installation: 3 times the outer diameter.

REFERENCES STANDARDS

Conductor	EN 60228; IEC 60228
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DIMENSIONS

Nominal section	Wires max diameter	Conductor diameter	Insulation thickness	Insulation diameter $\pm 0,1$	Minimum average external diameter	Medium outer diameter $\pm 0,2$	Electrical resistance 20°C	Approximate weight	CU Factor
(Nxmm ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(Ω /km)	(kg/km)	(kg/km)
1x1,50	0,26	1,44	0,80	N/A	1,40	6,0	13,3000	62,00	14,4000
1x2,50	0,26	1,88	0,90	N/A	1,40	6,6	7,9800	79,00	24,0000
1x4,00	0,31	2,44	1,00	N/A	1,50	7,5	4,9500	110,00	38,4000
1x6,00	0,31	2,96	1,00	N/A	1,60	8,3	3,3000	140,00	57,6000
2x1,00	0,21	1,21	0,80	N/A	1,30	8,4	19,5000	115,00	19,2000
2x1,50	0,26	1,44	0,80	N/A	1,50	9,4	13,3000	140,00	28,8000
2x2,50	0,26	1,88	0,90	N/A	1,70	11,0	7,9800	200,00	48,0000
2x4,00	0,31	2,44	1,00	N/A	1,80	12,6	4,9500	275,00	76,8000
2x6,00	0,31	2,96	1,00	N/A	2,00	14,2	3,3000	365,00	115,2000
3G1,00	0,21	1,21	0,80	N/A	1,40	9,0	19,5000	135,00	28,8000
3G1,50	0,26	1,44	0,80	N/A	1,60	10,1	13,3000	170,00	43,2000
3G2,50	0,26	1,88	0,90	N/A	1,80	11,8	7,9800	240,00	72,0000
3G4,00	0,31	2,44	1,00	N/A	1,90	13,5	4,9500	335,00	115,2000
3G6,00	0,31	2,96	1,00	N/A	2,10	15,2	3,3000	445,00	172,8000
4G1,00	0,21	1,21	0,80	N/A	1,50	9,9	19,5000	165,00	38,4000
4G1,50	0,26	1,44	0,80	N/A	1,70	11,1	13,3000	205,00	57,6000
4G2,50	0,26	1,88	0,90	N/A	1,90	12,9	7,9800	290,00	96,0000
4G4,00	0,31	2,44	1,00	N/A	2,00	14,8	4,9500	420,00	153,6000
4G6,00	0,31	2,96	1,00	N/A	2,30	16,9	3,3000	565,00	230,4000
5G1,00	0,21	1,21	0,80	N/A	1,60	11,0	19,5000	205,00	48,0000
5G1,50	0,26	1,44	0,80	N/A	1,80	12,2	13,3000	255,00	72,0000
5G2,50	0,26	1,88	0,90	N/A	2,00	14,2	7,9800	360,00	120,0000
5G4,00	0,31	2,44	1,00	N/A	2,20	16,5	4,9500	520,00	192,0000
5G6,00	0,31	2,96	1,00	N/A	2,50	18,7	3,3000	695,00	288,0000

CORES IDENTIFICATION

Cores number	Insulation colour sequence
1	NA
2	Blue-Brown
3	Yellow/Green-Blue-Brown
4	Yellow/Green-Blue-Brown-Black / Yellow/Green-Brown-Black-Grey
5	Yellow/Green-Brown-Black-Grey-Blue

Refer to the CEI EN 50565 standard series as a guide to the use of cables with nominal voltage not exceeding 450/750 V (U0/U) and to the CEI 20-92 standard as a guide for the handling and storage of wooden reels for cables electrical.

Elettrobrescia S.r.l. - Via Bulloni 36 - 25050 - Camignone di Passirano (Bs) - Tel, +39 030 6850663 Fax +39 030 6850444 email: info@elettrobrescia.it