

## EB AQUAFLEX type 05 (XLPE)

Cable for potable water applications

Flexible cables XLPE insulated



### TECHNICAL DATA

Nominal tension	300/500 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	2000 V
Cable marking	EB AQUAFLEX ACS KTW WRAS (sezione) mm <sup>2</sup>
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 <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	( $\Omega$ /km)	(kg/km)	(kg/km)
2x0,75	0,21	1,05	0,60	N/A	0,80	6,4	26,0000	58,00	14,4000
2x1,00	0,21	1,21	0,60	N/A	0,90	6,8	19,5000	69,00	19,2000
2x1,50	0,26	1,44	0,80	N/A	1,00	8,4	13,3000	100,00	28,8000
2x2,50	0,26	1,88	0,90	N/A	1,10	9,8	7,9800	145,00	48,0000
2x4,00	0,31	2,44	1,00	N/A	1,20	11,4	4,9500	188,00	76,8000
3G0,75	0,21	1,05	0,60	N/A	0,90	6,9	26,0000	72,00	21,6000
3G1,00	0,21	1,21	0,60	N/A	0,90	7,2	19,5000	83,00	28,8000
3G1,50	0,26	1,44	0,80	N/A	1,00	8,9	13,3000	125,00	43,2000
3G2,50	0,26	1,88	0,90	N/A	1,10	10,4	7,9800	175,00	72,0000
3G4,00	0,31	2,44	1,00	N/A	1,20	12,1	4,9500	217,00	115,2000
3G6,00	0,31	2,96	1,00	N/A	1,40	13,8	3,3000	283,00	172,8000
4G0,75	0,21	1,05	0,60	N/A	0,90	7,5	26,0000	90,00	28,8000
4G1,00	0,21	1,21	0,60	N/A	0,90	7,7	19,5000	100,00	38,4000
4G1,50	0,26	1,44	0,80	N/A	1,10	9,9	13,3000	150,00	57,6000
4G2,50	0,26	1,88	0,90	N/A	1,20	11,5	7,9800	220,00	96,0000
4G4,00	0,31	2,44	1,00	N/A	1,30	13,4	4,9500	271,00	153,6000
4G6,00	0,31	2,96	1,00	N/A	1,50	15,3	3,3000	375,00	230,4000
5G0,75	0,21	1,05	0,60	N/A	1,00	8,4	26,0000	105,00	36,0000
5G1,00	0,21	1,21	0,60	N/A	1,00	8,7	19,5000	120,00	48,0000
5G1,50	0,26	1,44	0,80	N/A	1,10	10,8	13,3000	180,00	72,0000
5G2,50	0,26	1,88	0,90	N/A	1,30	12,8	7,9800	260,00	120,0000
5G4,00	0,31	2,44	1,00	N/A	1,40	14,9	4,9500	358,00	192,0000

## CORES IDENTIFICATION

Cores number	Insulation colour sequence
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.

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