

FAA L 824 - TYPE C



## CABLE STRUCTURE

<b>Conductor</b>	Strand of annealed tinned or bare copper wires According to IEC C 60228 - Class 2 or Class 5 AWG types to ASTM B8 - Class B or Class C If requested ASTM B172 or B173 flexible versions also available
<b>Insulation</b>	XLPE - Cross linked polyethylene material
<b>Outer Jacket</b>	PVC or PE or HF(halogen free) or other suitable jacketing material according to NEMA WC70 / IECA S-96-658.

## OPERATING CHARACTERISTICS

<b>Conductor Operating Temperature</b>	-25°C / +90°C
<b>Rated Voltage</b>	600 V
<b>Test Voltage</b>	2 kV
<b>Bending Radius</b>	5 x Outer Diameter
<b>Standard Of Test</b>	IECA S-96-658 / NEMA WC70 FAA Specification for L824-AC No. 150/5345-7F

Construction (*)	Cross Section	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors at 20 °C (ohm/km)	Current Carrying Capacity at 45 °C (A)
BCL2 /XLPE / PE	1x2,5 mm <sup>2</sup>	5,3	38	7,41	30
BCL2 /XLPE / PE	1x4 mm <sup>2</sup>	5,9	56	4,61	40
BCL2 /XLPE / PE	1x6 mm <sup>2</sup>	6,4	76	3,08	52
BCL2 /XLPE / PE	1x10 mm <sup>2</sup>	8,4	125	1,83	72
BCL2 /XLPE / PE	2x2,5 mm <sup>2</sup>	9,7	107	7,41	26
BCL2 /XLPE / PE	2x4 mm <sup>2</sup>	10,2	140	4,61	34
BCL2 /XLPE / PE	2x6 mm <sup>2</sup>	11,6	192	3,08	44
BCL2 /XLPE / PE	2x10 mm <sup>2</sup>	15,8	334	1,83	61
BCL5 /XLPE / PE	1x2,5 mm <sup>2</sup>	5,3	36	7,98	30
BCL5 /XLPE / PE	1x4 mm <sup>2</sup>	5,9	52	4,95	40
BCL5 /XLPE / PE	1x6 mm <sup>2</sup>	6,4	70	3,30	52
BCL5 /XLPE / PE	1x10 mm <sup>2</sup>	8,4	119	1,91	72
BCL5 /XLPE / PE	2x2,5 mm <sup>2</sup>	9,5	102	7,98	26

(\*) For explanation of coding refer to Technical Data Section

Construction (*)	Cross Section	Approx Weight kg/km	Overall Diameter mm	Max. Resistance of Conductors at 20 °C (ohm/km)	Current Carrying Capacity at 45 °C (A)
BCL5 /XLPE/ PE	2x4 mm <sup>2</sup>	135	10,0	4,95	34
BCL5 /XLPE/ PE	2x6 mm <sup>2</sup>	179	9,8	3,30	44
BCL5 /XLPE/ PE	2x10 mm <sup>2</sup>	321	15,6	1,91	61
BCL2 /XLPE/ PVC	1x2,5 mm <sup>2</sup>	43	5,1	7,41	30
BCL2 /XLPE/ PVC	1x4 mm <sup>2</sup>	62	5,7	4,61	40
BCL2 /XLPE/ PVC	1x6 mm <sup>2</sup>	82	6,3	3,08	52
BCL2 /XLPE/ PVC	1x10 mm <sup>2</sup>	141	8,2	1,83	72
BCL2 /XLPE/ PVC	2x2,5 mm <sup>2</sup>	130	9,5	7,41	26
BCL2 /XLPE/ PVC	2x4 mm <sup>2</sup>	174	10,2	4,61	34
BCL2 /XLPE/ PVC	2x6 mm <sup>2</sup>	230	12,5	3,08	44
BCL2 /XLPE/ PVC	2x10 mm <sup>2</sup>	403	15,8	1,83	61
BCL5 /XLPE/ PVC	1x2,5 mm <sup>2</sup>	41	5,0	7,98	30
BCL5 /XLPE/ PVC	1x4 mm <sup>2</sup>	58	5,7	4,95	40
BCL5 /XLPE/ PVC	1x6 mm <sup>2</sup>	76	6,1	3,30	52
BCL5 /XLPE/ PVC	1x10 mm <sup>2</sup>	125	7,8	1,91	72
BCL5 /XLPE/ PVC	2x2,5 mm <sup>2</sup>	124	9,3	7,98	26
BCL5 /XLPE/ PVC	2x4 mm <sup>2</sup>	164	10,3	4,95	34
BCL5 /XLPE/ PVC	2x6 mm <sup>2</sup>	215	11,4	3,30	44
BCL5 /XLPE/ PVC	2x10 mm <sup>2</sup>	392	15,8	1,91	61
BAWGB /XLPE/ PE	1x12 AWG	49	5,7	5,44	36
BAWGB /XLPE/ PE	1x10 AWG	70	6,3	3,41	48
BAWGB /XLPE/ PE	1x8 AWG	111	7,8	2,14	64
BAWGB /XLPE/ PE	1x6 AWG	159	8,7	1,35	86
BAWGB /XLPE/ PE	2x12 AWG	131	10,2	5,44	30
BAWGB /XLPE/ PE	2x10 AWG	180	11,4	3,41	40
BAWGB /XLPE/ PE	2x8 AWG	369	15,4	2,14	54
BAWGB /XLPE/ PE	2x6 AWG	425	17,3	1,35	72
BAWGB /XLPE/ PE	1x12 AWG	48	5,4	5,44	36
BAWGB /XLPE/ PE	1x10 AWG	70	6,2	3,41	48
BAWGB /XLPE/ PE	1x8 AWG	110	7,7	2,14	64
BAWGB /XLPE/ PE	1x6 AWG	160	8,5	1,35	86
BAWGB /XLPE/ PE	2x12 AWG	130	10,3	5,44	30
BAWGB /XLPE/ PE	2x10 AWG	180	11,5	3,41	40
BAWGB /XLPE/ PE	2x8 AWG	305	15,3	2,14	54
BAWGB /XLPE/ PE	2x6 AWG	424	17,0	1,35	72
BAWGB /XLPE/ PVC	1x12 AWG	56	5,6	5,44	36
BAWGB /XLPE/ PVC	1x10 AWG	78	6,4	3,41	48
BAWGB /XLPE/ PVC	1x8 AWG	118	7,6	2,14	64
BAWGB /XLPE/ PVC	1x6 AWG	170	8,8	1,35	86
BAWGB /XLPE/ PVC	2x12 AWG	159	10,2	5,44	30

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Construction (*)	Cross Section	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors at 20 °C (ohm/km)	Current Carrying Capacity at 45 °C (A)
BAWGB /XLPE / PVC	2x10 AWG	11,5	215	3,41	40
BAWGB /XLPE / PVC	2x8 AWG	15,1	367	2,14	54
BAWGB /XLPE / PVC	2x6 AWG	17,4	508	1,35	72
BAWGB /XLPE / PVC	1x12 AWG	5,5	54	5,44	36
BAWGB /XLPE / PVC	1x10 AWG	6,2	77	3,41	48
BAWGB /XLPE / PVC	1x8 AWG	7,6	120	2,14	64
BAWGB /XLPE / PVC	1x6 AWG	8,7	172	1,35	86
BAWGB /XLPE / PVC	2x12 AWG	10,2	158	5,44	30
BAWGB /XLPE / PVC	2x10 AWG	11,3	215	3,41	40
BAWGC /XLPE / PVC	2x8 AWG	15,1	365	2,14	54
BAWGC /XLPE / PVC	2x6 AWG	17,2	508	1,35	72
TCL2 /XLPE / PE	1x2,5 mm <sup>2</sup>	5,2	40	7,56	30
TCL2 /XLPE / PE	1x4 mm <sup>2</sup>	5,7	56	4,70	40
TCL2 /XLPE / PE	1x6 mm <sup>2</sup>	6,4	77	3,11	52
TCL2 /XLPE / PE	1x10 mm <sup>2</sup>	8,1	125	1,84	72
TCL2 /XLPE / PE	2x2,5 mm <sup>2</sup>	9,6	106	7,56	26
TCL2 /XLPE / PE	2x4 mm <sup>2</sup>	10,7	145	4,70	34
TCL2 /XLPE / PE	2x6 mm <sup>2</sup>	11,6	192	3,11	44
TCL2 /XLPE / PE	2x10 mm <sup>2</sup>	16,0	340	1,84	61
TCL5 /XLPE / PE	1x2,5 mm <sup>2</sup>	5,2	38	8,21	30
TCL5 /XLPE / PE	1x6 mm <sup>2</sup>	5,7	52	5,09	40
TCL5 /XLPE / PE	1x10 mm <sup>2</sup>	6,3	72	3,39	52
TCL5 /XLPE / PE	2x2,5 mm <sup>2</sup>	8,0	120	1,95	72
TCL5 /XLPE / PE	2x4 mm <sup>2</sup>	9,4	102	8,21	26
TCL5 /XLPE / PE	2x6 mm <sup>2</sup>	10,2	132	5,09	34
TCL5 /XLPE / PE	2x10 mm <sup>2</sup>	11,6	181	3,39	44
TCL5 /XLPE / PE	1x2,5 mm <sup>2</sup>	15,9	328	1,95	61
TCL2 /XLPE / PVC	1x4 mm <sup>2</sup>	5,3	45	7,56	30
TCL2 /XLPE / PVC	1x6 mm <sup>2</sup>	5,8	62	4,70	40
TCL2 /XLPE / PVC	1x10 mm <sup>2</sup>	6,4	85	3,11	52
TCL2 /XLPE / PVC	2x2,5 mm <sup>2</sup>	8,1	135	1,84	72
TCL2 /XLPE / PVC	2x4 mm <sup>2</sup>	9,8	135	7,56	26
TCL2 /XLPE / PVC	1x2,5 mm <sup>2</sup>	10,8	180	4,70	34
TCL2 /XLPE / PVC	2x6 mm <sup>2</sup>	11,7	230	3,11	44
TCL2 /XLPE / PVC	2x10 mm <sup>2</sup>	16,1	410	1,84	61
TCL2 /XLPE / PVC	1x2,5 mm <sup>2</sup>	5,1	43	8,21	30
TCL2 /XLPE / PVC	1x4 mm <sup>2</sup>	5,7	60	5,09	40
TCL2 /XLPE / PVC	1x6 mm <sup>2</sup>	6,3	78	3,39	52
TCL2 /XLPE / PVC	1x10 mm <sup>2</sup>	7,7	123	1,95	72
TCL2 /XLPE / PVC	2x2,5 mm <sup>2</sup>	9,6	128	8,21	26

(\*) For explanation of coding refer to Technical Data Section

Construction (*)	Cross Section	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors at 20 °C (ohm/km)	Current Carrying Capacity at 45 °C (A)
TCL2 /XLPE / PVC	2x4 mm <sup>2</sup>	10,4	167	5,09	34
TCL2 /XLPE / PVC	2x6 mm <sup>2</sup>	11,3	215	3,39	44
TCL2 /XLPE / PVC	2x10 mm <sup>2</sup>	15,6	390	1,95	61
TAWGB /XLPE / PE	1x12 AWG	15,6	50	5,64	36
TAWGB /XLPE / PE	1x10 AWG	6,0	67	3,54	48
TAWGB /XLPE / PE	1x8 AWG	7,7	110	2,22	64
TAWGB /XLPE / PE	1x6 AWG	8,8	163	1,40	86
TAWGB /XLPE / PE	2x12 AWG	10,3	130	5,64	30
TAWGB /XLPE / PE	2x10 AWG	11,5	178	3,54	40
TAWGB /XLPE / PE	2x8 AWG	15,3	370	2,22	54
TAWGB /XLPE / PE	2x6 AWG	17,1	423	1,40	72
TAWGC /XLPE / PE	1x12 AWG	5,5	49	5,73	72
TAWGC /XLPE / PE	1x10 AWG	6,1	70	3,54	36
TAWGC /XLPE / PE	1x8 AWG	7,6	108	2,22	64
TAWGC /XLPE / PE	1x6 AWG	8,3	156	1,40	86
TAWGC /XLPE / PE	2x12 AWG	10,2	130	5,73	30
TAWGC /XLPE / PE	2x10 AWG	11,4	1480	3,54	40
TAWGC /XLPE / PE	2x8 AWG	15,0	300	2,22	54
TAWGC /XLPE / PE	2x6 AWG	16,8	423	1,40	72
TAWGB /XLPE / PVC	1x12 AWG	5,6	55	5,64	36
TAWGB /XLPE / PVC	1x10 AWG	6,4	79	3,54	48
TAWGB /XLPE / PVC	1x8 AWG	7,7	120	2,22	64
TAWGB /XLPE / PVC	1x6 AWG	8,8	170	1,40	86
TAWGB /XLPE / PVC	2x12 AWG	10,2	160	5,64	30
TAWGB /XLPE / PVC	2x10 AWG	11,3	212	3,54	40
TAWGB /XLPE / PVC	2x8 AWG	15,4	372	2,22	54
TAWGB /XLPE / PVC	2x6 AWG	17,1	505	1,40	72
TAWGC /XLPE / PVC	1x12 AWG	5,4	54	5,73	36
TAWGC /XLPE / PVC	1x10 AWG	6,1	78	3,54	48
TAWGC /XLPE / PVC	1x8 AWG	7,7	120	2,22	64
TAWGC /XLPE / PVC	1x6 AWG	8,5	170	1,40	86
TAWGC /XLPE / PVC	2x12 AWG	10,4	160	5,73	30
TAWGC /XLPE / PVC	2x10 AWG	11,5	215	3,54	40
TAWGC /XLPE / PVC	2x8 AWG	14,4	370	2,22	54
TAWGC /XLPE / PVC	2x6 AWG	17,0	505	1,40	72

(\*) For explanation of coding refer to Technical Data Section