FAA L 824 – TYPE C

Secondary AGL Cable Power - C

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 or class 5 AWG types to ASTM B8 - Class B or Class C If requested ASTM B172 or B173 flexible version also available
Insultion	XLPE – Cross linked polethylene material
Outer Jacket	PVC or PE or HF (halogen free) or other suitable jacketing material according to NEMA WC71 / ICEA S-96-659.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	600 V
Test Voltage	2 kV
Bending Radius	5 x Outer Diameter
Standards	ICEA S-96-659 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Secondary AGL Cable Power - C

Jacket PE	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/XLPE	1x2.5	5.3	38	7.41	30
BCL2/XLPE	1x4	5.9	56	4.61	40
BCL2/XLPE	1x6	6.4	76	3.08	52
BCL2/XLPE	1x10	8.4	125	1.83	72
BCL2/XLPE	2x2.5	9.7	107	7.41	26
BCL2/XLPE	2x4	10.2	140	4.61	34
BCL2/XLPE	2x6	11.6	192	3.08	44
BCL2/XLPE	2x10	15.8	334	1.83	61
BCL5/XLPE	1x2.5	5.3	36	7.98	30
BCL5/XLPE	1x4	5.9	52	4.95	40
BCL5/XLPE	1x6	6.4	70	3.30	52
BCL5/XLPE	1x10	8.4	119	1.91	72
BCL5/XLPE	2x2.5	9.5	102	7.98	26
BCL5/XLPE	2x4	10.0	135	4.95	34
BCL5/XLPE	2x6	9.8	179	3.30	44
BCL5/XLPE	2x10	15.6	321	1.91	61
BAWGB/XLPE	1x12AWG	5.7	49	5.44	36
BAWGB/XLPE	1x10AWG	6.3	70	3.41	48
BAWGB/XLPE	1x8AWG	7.8	111	2.14	64
BAWGB/XLPE	1x6AWG	8.7	159	1.35	86
BAWGB/XLPE	2x12AWG	10.2	131	5.44	30
BAWGB/XLPE	2x10AWG	11.4	180	3.41	40
BAWGB/XLPE	2x8AWG	15.4	369	2.14	54
BAWGB/XLPE	2x6AWG	17.3	423	1.35	72
BAWGB/XLPE	1x12AWG	5.4	48	5.44	36
BAWGB/XLPE	1x10AWG	6.2	70	3.41	48
BAWGB/XLPE	1x8AWG	7.7	110	2.14	64
BAWGB/XLPE	1x6AWG	8.5	160	1.35	86
BAWGB/XLPE	2x12AWG	10.3	130	5.44	30
BAWGB/XLPE	2x10AWG	11.5	180	3.41	40
BAWGB/XLPE	2x8AWG	15.3	305	2.14	54
BAWGB/XLPE	2x6AWG	17.0	424	1.35	72

FAA L 824 – TYPE C

Secondary AGL Cable Power - C

Jacket PE	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
TCL2/XLPE	1x2.5	5.2	40	7.56	30
TCL2/XLPE	1x4	5.7	56	4.70	40
TCL2/XLPE	1x6	6.4	77	3.11	52
TCL2/XLPE	1x10	8.1	125	1.84	72
TCL2/XLPE	2x2.5	9.6	106	7.56	26
TCL2/XLPE	2x4	10.7	145	4.70	34
TCL2/XLPE	2x6	11.6	192	3.11	44
TCL2/XLPE	2x10	16.0	340	1.84	61
TCL5/XLPE	1x2.5	5.2	38	8.21	30
TCL5/XLPE	1x4	5.9	52	4.95	40
TCL5/XLPE	1x6	6.4	70	3.30	52
TCL5/XLPE	1x10	8.4	119	1.91	72
TCL5/XLPE	2x2.5	9.5	102	7.98	26
TCL5/XLPE	2x4	10.0	135	4.95	34
TCL5/XLPE	2x6	9.8	179	3.30	44
TCL5/XLPE	2x10	15.6	321	1.91	61
TAWGB/XLPE	1x12AWG	5.6	50	5.64	36
TAWGB/XLPE	1x10AWG	6.0	67	3.54	48
TAWGB/XLPE	1x8AWG	7.7	110	2.22	64
TAWGB/XLPE	1x6AWG	8.8	163	1.40	86
TAWGB/XLPE	2x12AWG	10.3	130	5.64	30
TAWGB/XLPE	2x10AWG	11.5	178	3.54	40
TAWGB/XLPE	2x8AWG	15.3	370	2.22	54
TAWGB/XLPE	2x6AWG	17.1	423	1.40	72
TAWCC/XLPE	1x12AWG	5.5	49	5.73	36
TAWCC/XLPE	1x10AWG	6.1	70	3.54	48
TAWCC/XLPE	1x8AWG	7.6	108	2.22	64
TAWCC/XLPE	1x6AWG	8.3	156	1.40	86
TAWCC/XLPE	2x12AWG	10.2	130	5.73	30
TAWCC/XLPE	2x10AWG	11.4	148	3.54	40
TAWCC/XLPE	2x8AWG	15.0	300	2.22	54
TAWCC/XLPE	2x6AWG	16.8	423	1.40	72

FAA L 824 – TYPE C

Secondary AGL Cable Power - C

Jacket PVC	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/XLPE	1x2.5	5.1	43	7.41	30
BCL2/XLPE	1x4	5.7	62	4.61	40
BCL2/XLPE	1x6	6.3	82	3.08	52
BCL2/XLPE	1x10	8.2	141	1.83	72
BCL2/XLPE	2x2.5	9.5	130	7.41	26
BCL2/XLPE	2x4	10.2	174	4.61	34
BCL2/XLPE	2x6	12.5	230	3.08	44
BCL2/XLPE	2x10	15.8	403	1.83	61
TCL5/XLPE	1x2.5	5.0	41	7.98	30
TCL5/XLPE	1x4	5.7	58	4.95	40
TCL5/XLPE	1x6	6.3	76	3.30	52
TCL5/XLPE	1x10	7.8	125	1.91	72
TCL5/XLPE	2x2.5	9.3	124	7.98	26
TCL5/XLPE	2x4	10.3	164	4.95	34
TCL5/XLPE	2x6	11.4	215	3.30	44
TCL5/XLPE	2x10	15.8	392	1.91	61
BAWGB/XLPE	1x12AWG	5.6	56	5.44	36
BAWGB/XLPE	1x10AWG	6.4	78	3.41	48
BAWGB/XLPE	1x8AWG	7.6	118	2.14	64
BAWGB/XLPE	1x6AWG	8.8	170	1.35	86
BAWGB/XLPE	2x12AWG	10.2	159	5.44	30
BAWGB/XLPE	2x10AWG	11.5	215	3.41	40
BAWGB/XLPE	2x8AWG	15.1	367	2.14	54
BAWGB/XLPE	2x6AWG	17.4	508	1.35	72
BAWCC/XLPE	1x12AWG	5.5	54	5.44	36
BAWCC/XLPE	1x10AWG	6.2	77	3.41	48
BAWCC/XLPE	1x8AWG	7.6	120	2.14	64
BAWCC/XLPE	1x6AWG	8.7	172	1.35	86
BAWCC/XLPE	2x12AWG	10.2	158	5.44	30
BAWCC/XLPE	2x10AWG	11.3	215	3.41	40
BAWCC/XLPE	2x8AWG	15.1	365	2.14	54
BAWCC/XLPE	2x6AWG	17.2	508	1.35	72

FAA L 824 – TYPE C

Secondary AGL Cable Power - C

Jacket PVC	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
TCL2/XLPE	1x2.5	5.3	45	7.56	30
TCL2/XLPE	1x4	5.8	62	4.70	40
TCL2/XLPE	1x6	6.4	85	3.11	52
TCL2/XLPE	1x10	8.1	135	1.84	72
TCL2/XLPE	2x2.5	9.5	130	7.41	26
TCL2/XLPE	2x4	10.2	174	4.61	34
TCL2/XLPE	2x6	12.5	230	3.08	44
TCL2/XLPE	2x10	15.8	403	1.83	61
TCL2/XLPE	1x2.5	5.0	41	7.98	30
TCL5/XLPE	1x4	5.7	58	4.95	40
TCL5/XLPE	1x6	6.3	76	3.30	52
TCL5/XLPE	1x10	7.8	125	1.91	72
TCL5/XLPE	2x2.5	9.3	124	7.98	26
TCL5/XLPE	2x4	10.3	164	4.95	34
TCL5/XLPE	2x6	11.4	215	3.30	44
TCL5/XLPE	2x10	15.8	392	1.91	61
TAWGB/XLPE	1x12AWG	5.6	55	5.64	36
TAWGB/XLPE	1x10AWG	6.4	79	3.54	48
TAWGB/XLPE	1x8AWG	7.7	120	2.22	64
TAWGB/XLPE	1x6AWG	8.8	170	1.40	86
TAWGB/XLPE	2x12AWG	10.2	160	5.64	30
TAWGB/XLPE	2x10AWG	11.3	212	3.54	40
TAWGB/XLPE	2x8AWG	15.4	372	2.22	54
TAWGB/XLPE	2x6AWG	17.1	505	1.40	72
TAWCC/XLPE	1x12AWG	5.4	54	5.73	36
TAWCC/XLPE	1x10AWG	6.1	78	3.54	48
TAWCC/XLPE	1x8AWG	7.7	120	2.22	64
TAWCC/XLPE	1x6AWG	8.5	170	1.40	86
TAWCC/XLPE	2x12AWG	10.4	160	5.73	30
TAWCC/XLPE	2x10AWG	11.5	215	3.54	40
TAWCC/XLPE	2x8AWG	14.6	370	2.22	54
TAWCC/XLPE	2x6AWG	17.0	505	1.40	72

FAA L 824 – TYPE B

Secondary AGL Cable Power flex - B

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 or class 5 AWG types to ASTM B8 - Class B or Class C If requested ASTM B172 or B173 flexible version also available
Insultion	EPR – Ethylene propylene rubber material
Outer Jacket	CPE-XL-HD or CR-HD or Neoprene or other suitable jacketing material according to NEMA WC71 / ICEA S-96-659.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	600 V
Test Voltage	2 kV
Bending Radius	5 x Outer Diameter
Standards	ICEA S-96-659 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE B

Secondary AGL Cable Power flex- B

Jacket CPE-XL-HD	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/EPR	1x2.5	5.2	50	7.41	30
BCL2/EPR	1x4	5.9	70	4.61	40
BCL2/EPR	1x6	6.4	92	3.08	52
BCL2/EPR	1x10	8.2	150	1.83	72
BCL2/EPR	2x2.5	8.8	150	7.41	26
BCL2/EPR	2x4	10.8	198	4.61	34
BCL2/EPR	2x6	12.0	265	3.08	44
BCL2/EPR	2x10	16.2	452	1.83	61
BCL2/EPR	1x2.5	5.3	36	7.98	30
BCL2/EPR	1x4	5.7	68	4.95	40
BCL2/EPR	1x6	6.2	85	3.30	52
BCL2/EPR	1x10	7.7	135	1.91	72
BCL2/EPR	2x2.5	8.7	135	7.98	26
BCL2/EPR	2x4	10.2	192	4.95	34
BCL2/EPR	2x6	11.7	252	3.30	44
BCL2/EPR	2x10	15.5	435	1.91	61
BAWGB/EPR	1x12AWG	5.5	60	5.44	36
BAWGB/EPR	1x10AWG	6.4	85	3.41	48
BAWGB/EPR	1x8AWG	7.9	138	2.14	64
BAWGB/EPR	1x6AWG	8.7	185	1.35	86
BAWGB/EPR	2x12AWG	10.4	179	5.44	30
BAWGB/EPR	2x10AWG	11.7	342	3.41	40
BAWGB/EPR	2x8AWG	15.5	410	2.14	54
BAWGB/EPR	2x6AWG	17.5	547	1.35	72
BAWGB/EPR	1x12AWG	5.5	60	5.44	36
BAWGB/EPR	1x10AWG	6.2	83	3.41	48
BAWGB/EPR	1x8AWG	8.1	142	2.14	64
BAWGB/EPR	1x6AWG	8.7	186	1.35	86
BAWGB/EPR	2x12AWG	10.2	177	5.44	30
BAWGB/EPR	2x10AWG	11.8	345	3.41	40
BAWGB/EPR	2x8AWG	15.5	411	2.14	54
BAWGB/EPR	2x6AWG	17.6	550	1.35	72

FAA L 824 – TYPE B

Secondary AGL Cable Power - B

Jacket CPE-XL-HD	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
TCL2/EPR	1x2.5	5.3	52	7.56	30
TCL2/EPR	1x4	5.8	75	4.70	40
TCL2/EPR	1x6	6.3	90	3.11	52
TCL2/EPR	1x10	8.2	154	1.84	72
TCL2/EPR	2x2.5	9.6	158	7.56	26
TCL2/EPR	2x4	10.9	208	4.70	34
TCL2/EPR	2x6	11.9	263	3.11	44
TCL2/EPR	2x10	16.1	453	1.84	61
TCL5/EPR	1x2.5	5.1	52	8.21	30
TCL5/EPR	1x4	5.7	70	5.09	40
TCL5/EPR	1x6	6.3	94	3.39	52
TCL5/EPR	1x10	8.1	147	1.95	72
TCL5/EPR	2x2.5	9.4	145	8.21	26
TCL5/EPR	2x4	10.5	190	5.09	34
TCL5/EPR	2x6	11.5	243	3.39	44
TCL5/EPR	2x10	15.7	432	1.95	61
TAWGB/EPR	1x12AWG	5.6	65	5.64	36
TAWGB/EPR	1x10AWG	6.2	91	3.54	48
TAWGB/EPR	1x8AWG	7.8	142	2.22	64
TAWGB/EPR	1x6AWG	8.8	196	1.40	86
TAWGB/EPR	2x12AWG	10.5	186	5.64	30
TAWGB/EPR	2x10AWG	11.6	243	3.54	40
TAWGB/EPR	2x8AWG	15.6	420	2.22	54
TAWGB/EPR	2x6AWG	17.5	548	1.40	72
TAWGC/EPR	1x12AWG	5.5	68	5.73	36
TAWGC/EPR	1x10AWG	6.2	96	3.54	48
TAWGC/EPR	1x8AWG	7.8	142	2.22	64
TAWGC/EPR	1x6AWG	8.8	196	1.40	86
TAWGC/EPR	2x12AWG	10.4	187	5.73	30
TAWGC/EPR	2x10AWG	11.6	248	3.54	40
TAWGC/EPR	2x8AWG	15.3	395	2.22	54
TAWGC/EPR	2x6AWG	17.3	555	1.40	72

Legend:

BCL2	Bare copper conductor class 2
TCL5	Tinned copper conductor class 5
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
EPR	Ethylene propylene rubber material

FAA L 824 – TYPE C

Secondary AGL Cable Power flex – TPE-PUR / SI

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - class 5
Insultion	PP – Polpropylene material
Outer Jacket	Inner jacket TPE, outer jacket PUR (bonded) according to NEMA WC71 / ICEA S-96-659. Jacket blue on request

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +80ºC (180ºC SI)
Rated Voltage	600 V
Test Voltage	2 kV
Bending Radius	5 x Outer Diameter; 7.5 x Outer Diameter for shielded cables
Max. Tensile Load	15 N/mm^2
Flame retardant	IEC 60332-1-2, DIN VDE 0482-332-1-2
Oil resistant	EN 50363-2-1, IEC 60811-404
Standards	ICEA S-96-659 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Secondary AGL Cable Power flex – TPE-PUR / SI

Jacket TEP/PUR	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL5/PP	2x2.5	9.8	108	7.41	26
BCL5/PP	2x4	10.4	148	4.61	40
BCL5/PP	2x6	11.9	204	3.08	44
BCL5/PP	2x10	16.2	344	1.83	61
BCL5/PP/TCUB	2x2.5	8.9	158	7.41	26
BCL5/PP/TCUB	3x2.50	10.9	172	7.41	26
BCL5/PP/TCUB	2x4	11.5	185	4.61	40
Jacket Silicon (+180°C)					
BCL5/SI	2x1.50	7.6	82	12.1	20

Legend:

BCL5	Bare copper conductor class 5
PP	Polypropylene material
TPE	Thermoplastic elastomere material
PUR	Polyurethane
SI	Silicon
TCUB	Tinned copper wire braiding

Similar design to FAA L 824 – TYPE B

Secondary AGL Cable Power flex - B

CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded bare copper wires (tinned conductor on request)
Seperator	A suitable tape may be aopplied over the conductors
Insultion	E14 type EPR – Ethylene propylene rubber material
Core identification	According to HD 308
Inner Jacket	EM2 or EM3 type elastomneric rubber compound
Outer Jacket	EM2 type elastomneric rubber compound
Colour	Black RAL 9005 (other colours on request)

OPERATING CHARACTERISTICS

Construction	EN 50225-2-21, DIN VDE 0282-4, BS 6500, BS 7919, IEC 60245
Operating Temperature	Mobile use: -25ºC / +60ºC Fix use : -35ºC / +90ºC
Rated Voltage	600 V
Test Voltage	2 kV
Bending Radius	7.5 x Outer Diameter
Max. Tensile Load	15 N/mm^2
Current Carrying Capacities	IEC 60364-5-52, VDE 0298-4, EN 50565-1
Flame retardant	IEC 60332-1-2, DIN VDE 0482-332-1-2
Oil resistant	EN 50363-2-1, IEC 60811-404

Similar design to FAA L 824 – TYPE B

Secondary AGL Cable Power flex- B

Jacket EM2 Rubber	Cross section mm²	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL5/E14 EPR	1x2.5	6.4	65	7.98	33
BCL5/E14 EPR	1x4	7.3	90	4.95	45
BCL5/E14 EPR	1x6	8.1	115	3.30	58
BCL5/E14 EPR	2x2.5	10.6	165	7.98	36
BCL5/E14 EPR	2x4	12.2	230	4.95	49
BCL5/E14 EPR	2x6	13.6	300	3.30	63

Notes for current carrying capacities :

Current carrying capacities are according to in open air, with adequate ventilation and ambient temperature of 30°C.

For fixed installation :

Based on IEC 60364-5-52 ; 2009 table B.521 and table B.52.12

Refered to
- Reference installation method F for single cores and three loaded cores in trefall installation
- Reference installation method E for multi cores, for 2 core cables, 2 cores loaded and for 3-4-5 core cables core cables ; 3 cores loaded
- Reference installation method E forMulti cores, for 6 cores and above. All cores loaded expect green / yellow (earth) core
- Correction factors for ambient temperature according to table B.52.14
- The current ratings are based on conductor operating temperature of 90°C

Temperature correction factors :

Ambient air temperatur °C	30	35	40	45	50	55
Correction factor	1.00	0.96	0.91	0.87	0.82	0.76

Legend:

BCL5	Bare copper conductor class 5
E14 EPR	E14 type EPR – Ethylene propylene rubber material
EM2	EM2 type elastomneric rubber compound

UNE 21123-2

UNT RV-K Power-C secondary cable

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 5
Insulation	XLPE – cross linked polyethylene material
Outer Jacket	PVC – flame retardant material
Colour	Black, other colours on request

OPERATING CHARACTERISTICS

Operating Temperature	-25°C / +90°C
Rated Voltage	600 V
Test Voltage	2 kV
Bending Radius	5 x Outer Diameter
Standards	AENOR – UNE 21123-2, IEC 60502-1
Flame resistant	IEC 60332-1
CPR class	Eca

UNE 21123-2

UNT RV-K Power-C secondary cable

Jacket PVC	Cross section mm^2	Overall Diameter mm	Approx Weight kg/km	Max. Resistance of Conductors @ 20°C (Ω/km)	Current Carrying Capacity @ 45°C (A)
BCL2/XLPE	1x2.5	6.0	57	7.98	29
BCL2/XLPE	1x4	6.5	72	4.95	39

Legend:

BCL2	Bare copper conductor class 2
XLPE	Insulation XLPE compound