KOCH Kabel
Smart cabling by Koch Kabel AG

PRODUCT CATALOG

Airport Cables

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PRODUCTS FOR AIRPORTS

The smooth running and safe operation of the world's airports, both civil and military, is critical given today's ever-increasing demand for efficient and effective business and holiday travel and specialist defence requirements.

Koch Kabel' range of airport cables is designed with operational reliability in mind, and covers all safety-critical applications, from airfield lighting and high-speed data cabling for air traffic control, to emergency power connectors. They are designed to withstand exposure to water, UV radiation, defrosting fluids, oils and greases, to ensure the continuous operation of lighting systems alongside runways, taxiways and airport buildings.

Airfield and Airside Cable Solutions / Airfield lighting cables

Primary and secondary circuit connection cables to deliver directional and emergency lighting to runways during take-off and landing, and to taxiways and apron. Available as 2kV and 5kV, sheathed in PVC or High Density Polyethylene (HDPE), with metallic screening and armour as required. These cables meet the requirements of the International Civil Aviation Organisation (ICAO), as well as national standards including the Federal Aviation Authority (FAA) and Civil Aviation Authority (CAA).

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Primary AGL Cables

FAA L 824 – TYPE B

Primary AGL Cable shielded – Power Flex - B

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	EPR – Ethylene propylene rubber material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied copper tape
Outer Jacket	CPE-XL-HD or CD-HD or Noeoprene or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE B

Primary AGL Cable shielded – 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)
BCLS2/EXSC/EPR/SCT/CUT	1x6	12.0	216	3.08	52
TCL2/EXSC/EPR/SCT/CUT	1x6	12.0	216	3.08	52
BAWGB/EXSC/EPR/SCT/CUT	1x8 AWG	12.6	251	2.14	64
TAWGB/EXSC/EPR/SCT/CUT	1x8 AWG	12.6	251	2.22	64
BAWGB/EXSC/EPR/SCT/CUT	1x6 AWG	13.6	317	1.35	85
TAWGB/EXSC/EPR/SCT/CUT	1x6 AWG	13.6	317	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
EPR	Ethylene propylene rubber material
SCT	Semiconductive tape helically applied
CUT	Copper tape screen

FAA L 824 – TYPE C

Primary AGL Cable shielded – Braiding Power - C

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied copper tape
Outer Jacket	PVC or PE or HF (halogen free) or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Primary AGL Cable shielded – Braiding 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)
BCLS2/EXSC/XLPE/SCT/BCUB	1x6	12.4	203	3.08	52
TCL2/EXSC/XLPE/SCT/TCUB	1x6	12.4	203	3.11	52
BAWGB/EXSC/XLPE/SCT/BCUB	1x8 AWG	13.0	238	2.14	64
TAWGB/EXSC/XLPE/SCT/TCUB	1x8 AWG	13.0	238	2.22	64
BAWGB/EXSC/XLPE/SCT/BCUB	1x6 AWG	14.0	302	1.35	85
TAWGB/EXSC/XLPE/SCT/TCUB	1x6 AWG	14.0	302	1.40	85

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)
BCLS2/EXSC/XLPE/SCT/BCUB	1x6	12.4	22.8	3.08	52
TCL2/EXSC/XLPE/SCT/TCUB	1x6	12.4	228.	3.11	52
BAWGB/EXSC/XLPE/SCT/BCUB	1x8 AWG	13.0	263	2.14	64
TAWGB/EXSC/XLPE/SCT/TCUB	1x8 AWG	13.0	263	2.22	64
BAWGB/EXSC/XLPE/SCT/BCUB	1x6 AWG	14.0	329	1.35	85
TAWGB/EXSC/XLPE/SCT/TCUB	1x6 AWG	14.0	329	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
SCT	Semiconductive tape helically applied
BCUB	Bare copper wire braiding
TCUB	Tinned copper wire braiding

FAA L 824 – TYPE B

Primary AGL Cable shielded – Brass Power Flex - B

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	EPR – Ethylene propylene rubber material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied brass tape
Outer Jacket	CPE-XL-HD or CD-HD or Noeoprene or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE B

Primary AGL Cable shielded – Brass Power Flex - B

Jacket CPE-XL-HD	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)
BCLS2/EXSC/EPR/SCT/BRT	1x6	12.0	214	3.08	52
TCL2/EXSC/EPR/SCT/BRT	1x6	12.0	214	3.11	52
BAWGB/EXSC/EPR/SCT/BRT	1x8 AWG	12.6	250	2.14	64
TAWGB/EXSC/EPR/SCT/BRT	1x8 AWG	12.6	250	2.22	64
BAWGB/EXSC/EPR/SCT/BRT	1x6 AWG	13.6	315	1.35	85
TAWGB/EXSC/EPR/SCT/BRT	1x6 AWG	13.6	315	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
EPR	Ethylene propylene rubber material
SCT	Semiconductive tape helically applied
BRT	Brass tape screen

FAA L 824 – TYPE C

Primary AGL Cable shielded – Brass Power - C

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied brass tape
Outer Jacket	PVC or PE or HF (halogen free) or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Primary AGL Cable shielded – Brass 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)
BCLS2/EXSC/XLPE/SCT/BRT	1x6	11.9	180	3.08	52
TCL2/EXSC/XLPE/SCT/BRT	1x6	11.9	208	3.08	52
BAWGB/EXSC/XLPE/SCT/BRT	1x8 AWG	12.8	208	2.14	64
TAWGB/EXSC/XLPE/SCT/BRT	1x8 AWG	12.8	208	2.22	64
BAWGB/EXSC/XLPE/SCT/BRT	1x6 AWG	13.6	275	1.35	85
TAWGB/EXSC/XLPE/SCT/BRT	1x6 AWG	13.6	275	1.40	85

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)
BCLS2/EXSC/XLPE/SCT/BRT	1x6	11.9	208	3.08	52
TCL2/EXSC/XLPE/SCT/BRT	1x6	11.9	208	3.11	52
BAWGB/EXSC/XLPE/SCT/BRT	1x8 AWG	12.8	240	2.14	64
TAWGB/EXSC/XLPE/SCT/BRT	1x8 AWG	12.8	240	2.22	64
BAWGB/EXSC/XLPE/SCT/BRT	1x6 AWG	13.6	302	1.35	85
TAWGB/EXSC/XLPE/SCT/BRT	1x6 AWG	13.6	302	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
SCT	Semiconductive tape helically applied
BRT	Brass tape screen

FAA L 824 – TYPE C

Primary AGL Cable shielded – Copper Power - C

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied copper tape
Outer Jacket	PVC or PE or HF (halogen free) or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Primary AGL Cable shielded – Copper 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)
BCLS2/EXSC/XLPE/SCT/CUT	1x6	11.9	182	3.08	52
TCLS/EXSC/XLPE/SCT/CUT	1x6	11.9	211	3.08	52
BAWGB/EXSC/XLPE/SCT/CUT	1x8 AWG	12.8	210	2.14	64
TAWGB/EXSC/XLPE/SCT/CUT	1x8 AWG	12.8	210	2.22	64
BAWGB/EXSC/XLPE/SCT/CUT	1x6 AWG	13.6	277	1.35	85
TAWGB/EXSC/XLPE/SCT/CUT	1x6 AWG	13.6	277	1.40	85

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)
BCLS2/EXSC/XLPE/SCT/CUT	1x6	11.9	211	3.08	52
TCLS/EXSC/XLPE/SCT/CUT	1x6	11.9	211	3.11	52
BAWGB/EXSC/XLPE/SCT/CUT	1x8 AWG	12.8	242	2.14	64
TAWGB/EXSC/XLPE/SCT/CUT	1x8 AWG	12.8	242	2.22	64
BAWGB/EXSC/XLPE/SCT/CUT	1x6 AWG	13.6	305	1.35	85
TAWGB/EXSC/XLPE/SCT/CUT	1x6 AWG	13.6	305	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
SCT	Semiconductive tape helically applied
CUT	Copper tape screen

FAA L 824 – TYPE B

Primary AGL Cable shielded – Special Flex - B

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	EPR – Ethylene propylene rubber material
Semiconductive Layer	Semiconductive tape helically applied
Screen	Minimum 20% overlap and 100% coverage helically applied copper or brass tape
Outer Jacket	CPE-XL-HD or CD-HD or Noeoprene or other suitable jacketing material according to NEMA WC74 / ICEA S-93-639.

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-93-639 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE B

Primary AGL Cable shielded –Special Flex - B

Jacket CPE-XL-HD	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)
BAWGB/EXSC/EPR/SCT/CUT	1x8 AWG	15.0	345	2.14	64
TAWGB/EXSC/EPR/SCT/CUT	1x8 AWG	15.0	345	2.22	64
BAWGB/EXSC/EPR/SCT/BRT	1x8 AWG	15.0	345	1.35	85
TAWGB/EXSC/EPR/SCT/BRT	1x8 AWG	15.0	345	1.40	85

Legend:

BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
EPR	Ethylene propylene rubber material
SCT	Semiconductive tape helically applied
CUT	Copper tape screen
BRT	Brass tape screen

FAA L 824 – TYPE C

Primary AGL Cable unscreened Power - C

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
Insultion	XLPE - Cross linked polyethylene 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	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-96-659 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE C

Primary AGL Cable unscreened 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)
BCLS2/EXSC/XLPE	1x6	11.0	162	3.08	52
TCLS/EXSC/XLPE	1x6	11.0	162	3.08	52
BAWGB/EXSC/XLPE	1x8 AWG	11.9	183	2.14	64
TAWGB/EXSC/XLPE	1x8 AWG	11.9	183	2.22	64
BAWGB/EXSC/XLPE	1x6 AWG	13.0	249	1.35	85
TAWGB/EXSC/XLPE	1x6 AWG	13.0	249	1.40	85

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)
BCLS2/EXSC/XLPE	1x6	11.0	192	3.08	52
TCLS/EXSC/XLPE	1x6	11.0	192	3.11	52
BAWGB/EXSC/XLPE	1x8 AWG	11.9	207	2.14	64
TAWGB/EXSC/XLPE	1x8 AWG	11.9	207	2.22	64
BAWGB/EXSC/XLPE	1x6 AWG	13.0	263	1.35	85
TAWGB/EXSC/XLPE	1x6 AWG	13.0	263	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound

FAA L 824 – TYPE B

Primary AGL Cable unscreened Power - B

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2 AWG types to ASTM B8 - Class B or Class C
Semiconductive Layer	Extruded Semiconductive material
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	5 kV
Test Voltage	18 kV
Bending Radius	12 x Outer Diameter
Standards	ICEA S-96-659 / NEMA WC74 / FAA Specification for L824 – AC No 150 / 5345-7F

FAA L 824 – TYPE B

Primary AGL Cable unscreened Power - B

Jacket PE	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)
BCLS2/EXSC/EPR	1x6	11.0	180	3.08	52
TCLS/EXSC/ EPR	1x6	11.0	180	3.08	52
BAWGB/EXSC/ EPR	1x8 AWG	11.9	214	2.14	64
TAWGB/EXSC/ EPR	1x8 AWG	11.9	214	2.22	64
BAWGB/EXSC/ EPR	1x6 AWG	13.0	275	1.35	85
TAWGB/EXSC/ EPR	1x6 AWG	13.0	275	1.40	85

Legend:

BCLS	Bare copper conductor class 2
TCL2	Tinned copper conductor class 2
BAWGB	Bare copper AWG conductor
TAWGB	Tinned copper AWG conductor
EXSC	Extruded Semiconductive material
EPR	Ethylene propylene rubber material

Secondary AGL Cables

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

KOCH Kabel
Smart cabling by Koch Kabel AG

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

Pavement Cables

UNE 21123-2

AIRPORT-PAVEMENT-CABLE

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Insultion	PVC Insulation (85°C) colourless
Outer Jacket	Polyamide (Nylon) Compund
Colour	Black

OPERATING CHARACTERISTICS

Operating Temperature	-40°C / +90°C
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
Oil resistant	EN 50363-2-1, IEC 60811-404
Abrasion Resistant	

Minimum installation temperatur : -5°C
Used as airport pavement cable for secondary electrical cicruits.

UNE 21123-2

AIRPORT-PAVEMENT-CABLE

Jacket PA	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/PVC	1x4	4.2	49	4.61	38

Legend:

BCL2	Bare copper conductor class 2
PVC	Polyvenylchlorid material

Power Primary Cables

UNE 21161:2017

RHV Power-C Primary Cable

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Semiconductive Layer	Extruded semiconductive layer mixture, firmly adhered to insulation
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Extruded semiconductive peelable material
Screen	Copper tape of nominal thickness 0.1mm helically applied on the semiconductive layer over the insulation with a minimum overlap of 15%
Outer Jacket	PVC flame retardant material (ST_2)
Outer Jacket	Red or other colours on request

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	17.5 kV (5 min.)
Bending Radius	15 x Outer Diameter
Standards	AENOR – UNE 21161:2017, IEC 60502-2
Flame retardant	IEC 60332-1, IEC 60332/3 Cat.A
CPR class	Cc as2-d2-a3

UNE 21161:2017

RHV Power-C Primary 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/EXSC/XLPE/EXSC/CUT	1x6	18.5	490	3.08	52

Legend:

BCLS	Bare copper conductor class 2
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
CUT	Copper tape screen

UNE 21161:2017

RHZ1 Power-C Primary Cable

CABLE STRUCTURE

Conductor	Stranded annealed tinned or bare copper wires According to IEC 60228 - Class 2
Semiconductive Layer	Extruded semiconductive layer mixture, firmly adhered to insulation
Insultion	XLPE - Cross linked polyethylene material
Semiconductive Layer	Extruded semiconductive peelable material
Screen	Copper tape of nominal thickness 0.1mm helically applied on the semiconductive layer over the insulation with a minimum overlap of 15%
Outer Jacket	LSZH material – halogen free flame retardant polyolefin (Z1) l
Outer Jacket	Red or other colours on request

OPERATING CHARACTERISTICS

Operating Temperature	-25ºC / +90ºC
Rated Voltage	5 kV
Test Voltage	17.5 kV (5 min.)
Bending Radius	15 x Outer Diameter
Standards	AENOR – UNE 21161:2017, IEC 60502-2
Flame retardant	IEC 60332-1, IEC 60332/3 Cat.A
CPR class	Cca s1b-d2-a1

UNE 21161:2017

RHZ1 Power-C Primary Cable

Jacket RHZ1	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/EXSC/XLPE/EXSC/CUT	1x6	18.5	370	3.08	52

Legend:

BCLS	Bare copper conductor class 2
EXSC	Extruded Semiconductive material
XLPE	Insulation XLPE compound
CUT	Copper tape screen

Assembled FAA Cables

FAA Cables

Secondary Leads

Prefabricated Leads

Secondary leads are used for connecting the transformer and the secondary circuit. Secondary leads with double insulated two core cable provides unique dielectric strength for secondary circuit, since cable's outer sheath and all connections are made from same thermoplastic elastomer (TPE/PUR). Secondary leads are delivered either in prefabricated leads or in extension cords. Secondary leads are available with various cable diameter and with frangible break-away feature.

Available styles :

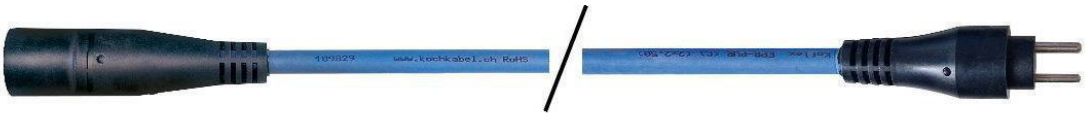
-	Style 1, 2 pin	male	
-	Style 1, 3 pin	male	for shielded cables, shield on pin 3
-	Style 7, 2 pin	female	
-	Style 7, 3 pin	female	for shielded cables, shield on pin 3
-	Style 8, 2 pin	female	

FAA Cables

Secondary Leads

Prefabricated Leads

Also available as extension cords (male – female) in custom made lengths.



FAA Cables

Secondary Leads

Prefabricated Leads

Available cables for seconday leads :

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/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

Secondary Leads

Connectors for manual assembly

KFA201/202 for Two Core Cable

KFA201-series (Plug)

KFA202-series (Receptacle)

KFA303P/304R for Three Core Cable

KFA303P-series (Plug)

KFA304R-series (Receptacle)

2 cores cable	3 pole secondary cables	Type	Conductor size	AWG	Cable diameter	In inches
KFA201	KFA303P	Plug	1.5–2.5 mm²	16–14	8.5–13.5 mm	0.334–0.531
KFA201.1	KFA303P.1	Plug	4.0–6.0 mm²	12–10/8	11.5–18.0 mm	0.157–0.708
KFA201.2	KFA303P.2	Plug	4.0–6.0 mm²	12–10/8	8.5–13.5 mm	0.334–0.531
KFA202	KFA304R	Receptacle	1.5–2.5 mm²	16–14	8.5–13.5 mm	0.334–0.531
KFA202.1	KFA304R.1	Receptacle	4.0–6.0 mm²	12–10/8	11.5–18.0 mm	0.157–0.708
KFA202.2	KFA304R.2	Receptacle	4.0–6.0 mm²	12–10/8	8.5–13.5 mm	0.334–0.531

Secondary Leads

Connectors for manual assembly

Suggested crimping tools

Conductor size	Manual Crimping Tools	Electric Crimping Tools
1.5–2.5 mm²	Elpress DKB 0760	Elpress PVL 130S - RB0560
4.0–6.0 mm²	Elpress GWB 4099C	Elpress PVL 130S - WB4099

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