

GREENLine

A COMPLETE CABLE SERIES FOR POWER, SIGNAL AND CONTROL

amokabel
CABLE FOR LIFE



INTRODUCTION

Amokabel is a recognized manufacturer of cables for a wide range of applications.

This brochure focuses on cables for land-based installations such as:

- Tunnels
- Industrial facilities
- Fire-safe installations
- Public buildings
- VFD motors

As well as installations with strictrequirements for environmental and safety performance.

Cables in the GREENLine series from Amokabel meet – and exceed – all relevant standards.

The GREENLine family is developed to simplify selection for installers, with products designed to meet all demands of today's market.

Amokabel - *makes installation EASIER*

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GREENLine HF90

GREENLine HF90 is developed in Norway and meets all requirements and technical specifications for wiring in modern land-based installations. The product is certified according to international designations H05Z-K/H07Z-K.

The insulation material is halogen-free (HF) and flame-retardant (FR). The product is CPR tested, combining high safety with a construction that is easy to install.

GREENLine HF 90 has excellent stripping properties while remaining flexible and user-friendly. The proven experience from our TEXILine HF90 – a well-established wiring solution in the maritime industry – has been carried over to GREENLine HF90.

This particularly applies to the insulation surface design and the optimized copper conductor construction, which provide improved mechanical durability and high operational reliability. Both insulation and conductor are designed in accordance with the requirements of leading automated wiring robot manufacturers. This ensures a smooth and reliable process during ferrule crimping as well as industrial cable marking.

GREENLine HF90 is available in single- and double-insulated versions in 190 variants ranging from 0.5 mm^2 to 240 mm^2, and can be supplied in a wide range of colors for flexible marking and installation in various environments.

Typical Applications:

- Distribution boards and panel installations
- Starters and control systems
- Internal wiring of electrical equipment
- Installations requiring halogen-free, flame-retardant, and mechanically durable properties

GREENLine HF90 H05Z-K / H07Z-K

APPLICATIONS:

GREENLine H05Z-K/H07Z-K is a XHFFR insulated flexible conductor. Suitable for power supply in buildings and internal wiring in electric cabinets, switchboards, motors and other electric equipment.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage Rating H05Z-K Uo/U	300/500 V
Voltage Rating H07Z-K Uo/U	450/750 V

STANDARDS:

Conductor	IEC 60228,5
Construction	EN 50525-3-41
Current rating	VDE 0298-4 table 11
Flame retardant	EN 50575+A1:2014
Halogen free	IEC 60754-1,-2
Smoke density	IEC 61034-1,-2

APPROVAL:

	Intertek Semko
CPR: 0,5mm^2 - 2,5mm^2	Eca
CPR: 4mm^2 - 240mm^2	Dca

Construction

Conductor	Class 5 bare flexible copper
Insulation	XHFFR
MBR fixed installation	4xOD
Marking	GREENLine HF90 H05Z-K <size>mm2 500V AMO CE or GREENLine HF 90 H07Z-K <size>mm2 750V AMO CE
Colour	Customer choice - EN50525-1

Type Code	Cross-section	Insulation thickness	Outer diameter	Current rating free in open air at ambient 30°C	Total weight
	[mm^2]	[mm]	[mm]	[A]	[kg/km]
H05Z-K	0,5	0,6	2,1	12	8
H05Z-K	0,75	0,6	2,3	15	11
H05Z-K	1	0,6	2,5	19	13
H07Z-K	1,5	0,7	2,9	24	19
H07Z-K	2,5	0,8	3,6	32	30
H07Z-K	4	0,8	4,1	42	44
H07Z-K	6	0,8	4,7	54	62
H07Z-K	10	1,0	6,0	73	108
H07Z-K	16	1,0	7,0	98	160
H07Z-K	25	1,2	8,6	129	243
H07Z-K	35	1,2	9,9	158	336
H07Z-K	50	1,4	11,5	198	473
H07Z-K	70	1,4	14,0	245	673
H07Z-K	95	1,6	15,5	292	879
H07Z-K	120	1,6	17,7	344	1096
H07Z-K	150	1,8	19,8	391	1366
H07Z-K	185	2,0	21,7	448	1677
H07Z-K	240	2,2	25,3	528	2398
S07Z-K	300	2,4	28,2	608	2743
S07Z-K	400	2,6	30,6	726	3727





GREENLine POWER

GREENLine Power is designed for installation in a wide range of environments. It is especially suited for industrial facilities, public buildings, and tunnels, but may also be used in private buildings where its technical properties are required. The cable can be installed in trays or directly in the ground.

It is halogen-free (IEC 60754-1/2), flame-retardant (IEC 60332-1/3), and meets requirements for low smoke emission (IEC 61034-2). The insulation type is engineered for high flexibility. From 4 mm2 and above, the conductor is supplied in Class 5, making the cable soft and easy to handle.

GREENLine Power is cold-resistant down to –25°C and meets impact resistance requirements at –25°C according to IEC 60811-506 / HD 605, making it highly suitable for installations under Nordic conditions.

Applications

- Tunnels:
  Continuous power supply under extreme conditions
- Industrial facilities:
  Ensuring stable operation and minimizing downtime
- Public buildings:
  Protecting people and assets in emergencies
- Emergency and safety systems:
  Reliable energy supply when it matters most

GREENLine Power (RZ1-K)

APPLICATIONS:

GREENLine Power is a halogen free flame retardant 1kV power cable for indoor and outdoor installation. Suitable for installation in the ground in pipes, ducts or direct burial.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2
CPR singlecore	Cca
CPR multicore	B2ca

Construction	
Conductor	Bare flexible copper cl5
Insulation	XLPE
Filler	Helical lapping tape (fillers if needed)
Outer sheath	HFFR
3-core identification	Yellow/Green, Brown, Blue
4-core identification	Yellow/Green, Brown, Black, Grey
5-core identification	Yellow/Green, Blue, Brown, Black, Grey
Outer sheath colour	Black (Other colours on request)
Bending radius	10 x Outer diameter

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
1X1,5	5,5	46	21	8436629360713
1X2,5	5,8	65	29	8436629360720
1X4	7,5	94	40	8436629360737
1X6	8,0	116	53	8436629360744
1X10	9,0	161	74	8436629360751
1X16	10,0	223	101	8436629360768
1X25	11,6	318	135	8436629360775
1X35	12,7	414	169	8436629360782
1X50	14,3	557	207	8436629360799
1X70	16,4	777	268	8436629360805
1X95	18,5	980	328	8436629360812
1X120	20,1	1237	383	8436629360829
1X150	22,6	1532	444	8436629360836
1X185	25,1	1826	510	8436629360843
1X240	27,4	2386	607	8436629360850
1X300	32,0	2954	703	8436629360867
1X400	35,6	3943	823	8436629360874
1X500	39,7	4910	946	8436629360881
1X630	45,0	6458	1088	8436629360898

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
3G1,5	9,8	146	26	8436629360904
3G2,5	10,9	194	36	8436629360911
3G4	12,0	252	49	8436629360928
3G6	13,1	324	63	8436629360935
3G10	15,2	473	86	8436629360942
3G16	17,3	676	115	8436629360959
3G25	20,8	1004	149	8436629360966
3G35	23,2	1326	185	8436629360973
3G50	26,6	1811	225	8436629360980
3G70	31,3	2581	289	8436629360997
3G95	36,3	3350	352	8436629361000
3G120	39,9	4221	410	8436629361017
3G150	45,7	5367	473	8436629361024
3G185	51,4	6509	542	8436629361031
3G240	56,8	8503	641	8436629361048
3G300	66,8	10763	741	8436629361055
3G400	74,3	14183	892	8436629361062
4G1,5	10,6	174	23	8436629361079
4G2,5	11,8	230	32	8436629361086
4G4	13,0	304	42	8436629361093
4G6	14,2	392	54	8436629361109
4G10	16,6	586	75	8436629361116
4G16	18,9	844	100	8436629361123
4G25	22,9	1264	127	8436629361130
4G35	25,6	1678	158	8436629361147
4G50	29,6	2315	192	8436629361154
4G70	35,1	3327	246	8436629361161
4G95	40,3	4273	298	8436629361178

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1



GREENLine Power (RZ1-K)

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
4G120	44,6	5427	346	8436629361185
4G150	51,0	6874	399	8436629361192
4G185	57,4	8334	456	8436629361208
4G240	63,4	10910	538	8436629361215
4G300	74,1	13671	621	8436629361222
4G400	82,4	18071	745	8436629361239
5G1,5	11,5	207	23	8436629361246
5G2,5	12,8	275	32	8436629361253
5G4	14,2	368	42	8436629361260
5G6	15,5	476	54	8436629361277
5G10	18,2	712	75	8436629361284
5G16	20,8	1032	100	8436629361291
5G25	25,2	1546	127	8436629361307
5G35	28,2	2058	158	8436629361314
5G50	32,9	2864	192	8436629361321
5G70	39,0	4115	246	8436629361338
5G95	44,5	5256	298	8436629361345
5G120	51,3	6918	346	8436629361352
5G150	56,9	8535	399	8436629361369
5G185	64,1	10355	456	8436629361376
5G240	70,7	13555	538	8436629361383

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1





GREENLine POWER EMC IFSI

GREENLine Power EMC IFSI is designed for power installations where reliable operation and EMC protection are essential. The integrated screen reduces electromagnetic interference and helps ensure stable performance of nearby control, instrumentation, and communication systems.

Suitable for industrial facilities, tunnels, infrastructure projects, and technical installations with sensitive electronic equipment, the cable is particularly well suited for environments with frequency converters, automation systems, and digital infrastructure.

The cable is halogen-free (IEC 60754-1/2), flame-retardant (IEC 60332-1/3), and features low smoke emission (IEC 61034-2). XLPE insulation provides excellent electrical performance and durability, while flexible copper conductors simplify installation. From 4 mm² and above, conductors are supplied in Class 5 for enhanced flexibility.

Developed for Nordic conditions, GREENLine Power Shielded remains impact-resistant at temperatures down to –25 °C according to IEC 60811-506 / HD 605 and is suitable for indoor, outdoor, tray, conduit, and direct burial installations.

Applications

- Industrial automation systems - reliable power supply with improved EMC performance
- Tunnels and infrastructure projects - minimizing electromagnetic interference in critical installations
- Public and commercial buildings - supporting stable operation of technical and safety-related equipment
- Data centres and technical rooms - reducing disturbance to sensitive electronic systems
- Variable frequency drive (VFD) installations - helping limit conducted and radiated interference

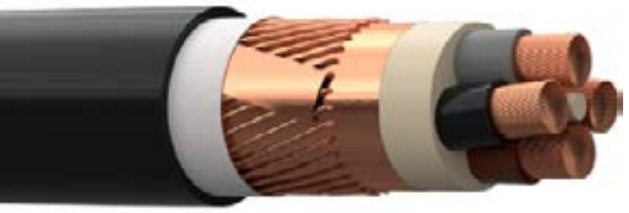
Advantages

- EMC protection - screened construction reduces electromagnetic interference
- Operational reliability - supports stable performance in electrically demanding environments
- Low smoke and halogen-free - enhances safety for people and equipment
- Flexible installation - easy handling and suitable for a wide range of installation methods
- Nordic durability - designed to perform under harsh climatic conditions

GREENLine Power EMC IFSI (RZ10KZ1) 0,6/1kV

APPLICATIONS:

GREENLine Power EMC is a halogen free flame retardan EMC screened flexible 1kV power cable for fixed installations, indoor and outdoor use and can be installed directly in the ground. The concentric copper conductor screen with a Cu/Pet laminate foil under and Cu tape counter helix over provides 100% coverage in terms of EMC protection and also serves as protective earth conductor. The cable has flexible copper conductors in accordance with IEC 60228 Class 5 to make installation and connection easy.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2

Construction

Conductor	Bare flexible copper cl5
Insulation	XLPE
2-core identification	Blue, Brown
3-core identification	Brown, Black, Grey
4-core identification	Blue, Brown, Black, Grey
Inner sheath	HFFR
Concentric conductor/screen	Cu/PET foil, Cu wires and open Cu tape counter helix
Outer sheath	HFFR
Outer sheath color	Black (Other colours on request)
Bending radius	10 x Outer diameter

GREENLine Power EMC IFSI (RZ10KZ1) 0,6/1kV

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
2X1,5/2.5	14,0	243	26	8436629364308
2X2,5/2,5	15,0	287	36	8436629364315
2X4/4	16,3	364	49	8436629364322
2X6/6	17,3	438	63	8436629364339
2X10/10	19,9	613	86	8436629364346
2X16/16	21,8	839	115	8436629364353
3X1,5/2,5	14,4	261	23	8436629364384
3X2,5/2,5	15,5	314	32	8436629364391
3X4/4	16,9	405	42	8436629364407
3X6/6	17,9	493	54	8436629364414
3X10/10	20,7	703	75	8436629364421
3X16/16	22,7	976	100	8436629364438
3X25/16	26,3	1330	127	8436629364445
3X35/16	28,7	1670	158	8436629364452
3X50/25	33,1	2285	192	8436629364469
3X70/35	38,2	3232	246	8436629364476
3X95/50	43,8	4209	298	8436629364483
4X1,5/2,5	15,1	289	23	8436629364537
4X2,5/2,5	16,3	351	32	8436629364544
4X4/4	17,9	460	42	8436629364551
4X6/6	19,1	570	54	8436629364568
4X10/10	22,1	823	75	8436629364575
4X16/16	24,4	1156	100	8436629364582
4X25/16	28,5	1606	127	8436629364599
4X35/16	31,4	2055	158	8436629364605
4X50/25	36,2	2815	192	8436629364612
4X70/35	41,8	3983	246	8436629364629
4X95/50	48,1	5190	298	8436629364636

*) 2X column 2, 3X and 4X column 3. Cross-sections outside table 12 current rating per table D.52.1



GREENLine Control

GREENLine Control is a halogen-free, flame-retardant 1 kV power and control cable, designed for both indoor and outdoor installations. It is suitable for direct burial in the ground, as well as installation in pipes or ducts. The cable is built to combine safety and durability, offering flexibility and resistance to harsh conditions.

The conductor is made of bare flexible copper (Class 5), providing ease of handling and
installation. Insulated with XLPE and protected by a halogen-free flame-retardant (HFFR) sheath, the cable ensures high performance while meeting strict fire safety requirements.

GREENLine Control withstands temperatures from –40 °C up to +90 °C and meets cold impact resistance at –25 °C (IEC 60811-506), making it highly reliable for installations in Nordic climates. With CPR classification B2ca, it ensures low smoke emission and minimal corrosivity in case of fire, protecting both people and assets.

Applications

- Industrial automation and machinery:
  Reliable control under demanding conditions
- Public infrastructure and facilities:
  Safe and long-lasting energy distribution
- Tunnel and transport systems:
  Performance and fire safety in critical environments
- Outdoor installations:
  Suitable for direct burial and harsh weather conditions
- Safety systems:
  Halogen-free and flame-retardant properties for enhanced protection

GREENLine Control (RZ1-K)

APPLICATIONS:

GREENLine Control is a halogen free flame retardant 1kV power cable for indoor and outdoor installation. Suitable for installation in the ground in pipes, ducts or direct burial.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1
	HD603 5AB
Current rating	IEC 60364-5-52
	Table B.52.12
Cold impact test -25C	IEC60811-506
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
CPR multicore	B2ca

Construction	
Conductor	Bare flexible copper cl5
Insulation	XLPE
Identification	Black with white numbers and yellow/green
Outer sheath	HFFR filler sheath
Outer sheath colour	Black (Other colours on request)
Bending radius	10 x Outer diameter

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
6G1,5	12,3	239	23	8436629361390
7G1,5	12,2	248	23	8436629361406
8G1,5	13,2	290	23	8436629361413
9G1,5	13,9	314	23	8436629361420
10G1,5	15,2	340	23	8436629361437
12G1,5	15,5	373	23	8436629361444
14G1,5	16,2	417	23	8436629361451
6G2,5	13,8	309	32	8436629361468
7G2,5	13,8	338	32	8436629361475
8G2,5	14,9	391	32	8436629361482
10G2,5	17,2	467	32	8436629361499
12G2,5	17,7	529	32	8436629361505
14G2,5	18,6	597	32	8436629361512



GREENLine Power VFD EMC

GREENLine Power VFD EMC 0.6/1 kV & 1.8/3 kV

Power VFD EMC series consists of flexible, halogen-free, double-shielded cables designed for industrial processes and motor drives with frequency converters.
The cables are available in versions rated for up to 440 V (0.6/1 kV) and 690 V (1.8/3 kV).

The symmetrical earth conductor design ensures reliable protection against high-frequency
discharge currents, providing stable performance even under demanding operating conditions.

Built for dry, humid, and wet environments, these cables deliver consistent reliability across all types of installations.

Made with HFFR (Halogen Free Flame Retardant) materials, the cables set a high standard for fire safety – they are self-extinguishing, low smoke, and free from toxic and corrosive gases in case of fire.

- Ideal for variable speed drives – safe and reliable in all environments.

GREENLine Power VFD EMC 3G (2XSLCHK-JB) 0,6/1kV

APPLICATIONS:

EMC screened flexible power cable 1kV for fixed installations to variable frequency drive and inverter systems, for indoor and out-door use. GREENLine Power VFD EMC 3G has a braided copper screen with a lapping helical Cu foil over the braid providing 100% coverage in terms of EMC protection. Earth-wires are placed in the interstices to provide a symmetrical design to ensure long operatio-nal life of the cable when installed in VFD system. The cable has flexible copper conductors in accordance with IEC 60228 Class 5 to make installation and connection easy.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2
CPR	Dca

Construction	
Conductor	Bare flexible copper cl5
Insulation	XLPE
Identification	Brown, Black, Grey and earth conductors yellow/green
Filler	Helical lapping tape (fillers if needed)
Inner sheath	HFFR
Screen	Cu wire braid and Cu/PET foil
Outer sheath	HFFR
Outer sheath colour	Black (Other colours on request)
Marking	GREENLine Power VFD EMC 0,6/1kV -size-mm2 - YY/WW + meter marking
Bending radius fixed installation	10 x Outer diameter



Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
3X1,5+3G0,25	10,6	158	23	8436629361529
3X2,5+3G0,5	13,6	251	32	8436629361536
3X4+3G0,75	14,1	317	42	8436629361543
3x6+3G1	15,1	422	54	8436629361550
3X10+3G1,5	16,8	518	75	8436629361574
3X16+3G2,5	19,3	796	100	8436629361581
3X25+3G4	22,0	1068	127	8436629361604
3X35+3G6	24,5	1487	158	8436629361628
3X50+3G10	28,7	2154	192	8436629361635
3X70+3G16	33,1	2731	246	8436629361659
3X95+3G16	37,9	3545	298	8436629361666
3X120+3G25	42,3	4877	346	8436629361680
3X150+3G25	47,5	5884	399	8436629361697
3X185+3G35	53,4	7201	456	8436629361703
3X240+3G50	58,7	9437	538	8436629361710

Other designs such as 4G available on request



GREENLine Power VFD EMC 3G (2XSLCHK-JB) 1,8/3kV

APPLICATIONS:

EMC screened flexible power cable 3kV for fixed installations to variable frequency drive and inverter systems, for indoor and out-door use. GREENLine Power VFD EMC 3G has a braided copper screen with a lapping helical Cu foil over the braid providing 100% coverage in terms of EMC protection. Earth-wires are symmetrically placed in the interstices, and the phase conductors have thicker insulation walls to ensure long operational life of the cable when installed in VFD system. The cable has flexible copper conductors in accordance with IEC 60228 Class 5 to make installation and connection easy.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	1,8/3kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2

Construction	
Conductor	Bare flexible copper cl5
Insulation	XLPE
Identification	Brown, Black, Grey and earth conductors yellow/green
Filler	Helical lapping tape (fillers if needed)
Inner sheath	HFFR
Screen	Cu wire braid and Cu/PET foil
Outer sheath	HFFR
Outer sheath colour	Black (Other colours on request)
Marking	GREENLine Power VFD EMC 1,8/3kV -size-mm2 - YY/WW + meter marking
Bending radius fixed installation	10 x Outer diameter

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
3X6+3G1,5	23,3	688	54	8436629361727
3X10+3G1,5	24,8	842	75	8436629361734
3X16+3G2,5	27,4	1202	100	8436629361741
3X25+3G4	30,3	1588	127	8436629361758
3X35+3G6	32,8	2024	158	8436629361765
3X50+3G10	37,4	2546	192	8436629361772
3X70+3G16	40,2	3484	246	8436629361789
3X95+3G16	41,9	4025	298	8436629361796
3X120+3G25	45,8	4975	346	8436629361802
3X150+3G25	50,4	6208	399	8436629361819
3X185+3G35	55,2	7462	456	8436629361826
3X240+3G50	59,9	9662	538	8436629361833

Other designs such as 4G available on request



GREENLine FiRe

GREENLine FiRe is a range of halogen-free, fire-resistant 1 kV power and control cables designed to secure the operation of critical systems under extreme conditions.

The portfolio includes both GREENLine Power FiRe for power distribution and GREENLine Control FiRe for control and signal applications. Even in the event of fire, the cables maintain power and signal transmission to emergency circuits such as emergency lighting, smoke ventilation, alarms, elevators, pumps, and other essential safety systems, ensuring vital functions continue without interruption.

The cables are built with bare flexible copper conductors (Class 5) and XLPE insulation, combined with a halogen-free, flame-retardant outer sheath (HFFR). This construction provides excellent flexibility, long service life, and effective protection against smoke and corrosive gases.

Specially developed for Nordic climate challenges, GREENLine FiRe cables withstand operating temperatures from –40 °C up to +90 °C and meet cold impact resistance requirements at –25 °C (IEC 60811-506). They are suitable for both indoor and outdoor installations, including pipes, ducts, cable trays, and direct burial in the ground.

Applications

- Tunnels – continuous operation and control during extreme fire events
- Industrial facilities – safe operation and reduced downtime in critical processes
- Public buildings – protection of people and property in emergencies
- Emergency and safety systems – dependable power and control when it matters most
- Infrastructure projects – reliable performance for critical installations

Advantages

- Fire-resistant – maintains emergency circuits when other cables fail
- Climate-adapted – withstands Nordic winter temperatures without performance loss
- High reliability – stable power and signal transmission under extreme conditions
- Versatile – suitable for both indoor and outdoor installations
- Complete solution – available as both power and control cables in one product family

GREENLine Power FiRe (RZ1-K AS+ MICA)

APPLICATIONS:

GREENLine Power FiRe is a halogen free flame retardant and fire resistant 1kV power cable for indoor and outdoor installation.
Suitable for installation in the ground in pipes, ducts or direct burial.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Fire resistant	IEC60331-21
Flame retardant	IEC60332-1
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2

Construction	
Conductor	Bare flexible copper cl5 with Mica tape wrapping
Insulation	XLPE
Filler	Helical lapping tape (fillers if needed)
Outer sheath	HFFR
3-core identification	Yellow/Green, Brown, Blue
4-core identification	Yellow/Green, Brown, Black, Grey
5-core identification	Yellow/Green, Blue, Brown, Black, Grey
Outer sheath colour	Orange
Bending radius	10 x Outer diameter

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
1X1,5	6,2	53	21	8436629360225
1X2,5	6,7	67	29	8436629360232
1X4	7,2	85	40	8436629360249
1X6	7,7	106	53	8436629360256
1X10	8,7	150	74	8436629360263
1X16	9,7	210	101	8436629360270
1X25	11,3	302	135	8436629360287
1X35	12,4	395	169	8436629360294
1X50	14,0	534	207	8436629360300
1X70	16,3	757	268	8436629360317
1X95	18,4	957	328	8436629360324
1X120	20,2	1210	383	8436629360331
1X150	22,9	1519	444	8436629360348
1X185	25,4	1806	510	8436629360355
1X240	28,0	2382	607	8436629360362
1X300	32,5	2936	703	8436629360379
1X400	35,9	3895	823	8436629360386
3G1,5	10,1	146	26	8436629360393
3G2,5	11,2	191	36	8436629360409
3G4	12,3	251	49	8436629360416
3G6	13,4	320	63	8436629360423
3G10	15,5	468	86	8436629360430
3G16	17,8	678	115	8436629360447
3G25	21,5	1010	149	8436629360454
3G35	24,1	1341	185	8436629360461
3G50	27,8	1842	225	8436629360478
3G70	32,6	2614	289	8436629360485
3G95	37,4	3368	352	8436629360492
3G120	41,2	4249	410	8436629360508
3G150	46,8	5356	473	8436629360515
3G185	52,6	6488	542	8436629360522
3G240	58,0	8453	641	8436629360539
3G300	67,6	10610	741	8436629360546

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1

GREENLine Power FiRe (RZ1-K AS+ MICA)

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
4G1,5	11,0	172	23	8436629360553
4G2,5	12,2	229	32	8436629360560
4G4	13,4	302	42	8436629360577
4G6	14,6	390	54	8436629360584
4G10	17,2	592	75	8436629360591
4G16	19,7	859	100	8436629360607
4G25	23,9	1284	127	8436629360614
4G35	26,8	1711	158	8436629360621
4G50	30,9	2355	192	8436629360638
4G70	36,3	3352	246	8436629360645
4G95	41,7	4316	298	8436629360652
4G120	45,9	5450	346	8436629360669
4G150	52,3	6880	399	8436629360676
4G185	58,7	8312	456	8436629360683
4G240	64,7	10856	538	8436629360690
4G300	75,5	13590	621	8436629360706

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1

GREENLine Power FiRe (RZ1-K AS+ MICA)

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
5G1,5	12,0	208	23	8436629361857
5G2,5	13,0	280	32	8436629361864
5G4	14,7	370	42	8436629361871
5G6	16,3	489	54	8436629361888
5G10	19,0	725	75	8436629361895
5G16	21,7	1051	100	8436629361901
5G25	26,4	1578	127	8436629361918
5G35	29,7	2112	158	8436629361925
5G50	34,4	2918	192	8436629361932
5G70	40,4	4155	246	8436629361949
5G95	46,5	5356	298	8436629361956
5G120	51,1	6756	346	8436629361963
5G150	58,4	8553	399	8436629361970
5G185	65,6	10335	456	8436629361987
5G240	72,2	13488	538	8436629361994

*) 1X column 5, 3G column 2, 4G and 5G column 3. Cross-sections outside table 12 current rating per table D.52.1

GREENLine Control FiRe (RZ1-K AS+ MICA)

APPLICATIONS:

GREENLine Control FiRe is a halogen free flame retardant and fire resistant 1kV power cable for indoor and outdoor installation. Suitable for installation in the ground in pipes, ducts or direct burial.



PROPERTIES:

Max continuous conductor temp.	+90°C
Temperature range	-40 to +90°C
Voltage rating Uo/U	0,6/1kV

STANDARDS:

Conductor	IEC 60228,5
Construction	IEC60502-1 HD603 5AB
Current rating	IEC 60364-5-52 Table B.52.12
Cold impact test -25C	IEC60811-506
Fire resistant	IEC60331-21
Flame retardant	IEC60332-1
Halogen free	IEC 60754-1
Corrosivity	IEC 60754-2
Smoke	IEC 61034-2

Construction	
Conductor	Bare stranded copper cl5 with Mica tape wrapping
Insulation	XLPE
Identification	Black with white numbers and yellow/green
Outer sheath	HFFR filler sheath
Outer sheath colour	Orange
Bending radius	10 x Outer diameter

Number of cores X conductor cross- section	Nominal outer diameter [mm]	Approx. Weight [kg/km]	Current rating @ 30°C in air upon surface [A]	GTIN EAN Code
6G1,5	13,0	245	23	8436629360003
7G1,5	13,0	252	23	8436629360010
8G1,5	14,1	295	23	8436629360027
10G1,5	16,6	358	23	8436629360034
12G1,5	17,1	403	23	8436629360041
14G1,5	17,8	437	23	8436629360058
16G1,5	19,2	522	23	8436629360065
18G1,5	20,2	581	23	8436629360072
19G1,5	20,2	588	23	8436629360089
6G2,5	14,5	329	32	8436629360096
7G2,5	14,5	342	32	8436629360102
8G2,5	15,7	398	32	8436629360119
9G2,5	17,1	465	32	8436629360126
10G2,5	18,6	487	32	8436629360133
12G2,5	19,4	563	32	8436629360140
14G2,5	20,4	636	32	8436629360157
16G2,5	21,6	723	32	8436629360164
18G2,5	22,9	815	32	8436629360171
19G2,5	22,9	829	32	8436629360188
20G2,5	24,1	906	32	8436629360195
22G2,5	25,3	997	32	8436629360201
24G2,5	27,0	1046	32	8436629360218



About us

Amokabel is a privately owned Swedish company with operations in several countries, specializing in cables and covered overhead conductors. Since its establishment in 1992, the company has experienced strong organic growth, and today our products are used in many parts of the world.

The Group consists of three production units, with its factory and headquarters located in Alstermo, Småland, Sweden. By focusing on flexibility, innovation, quality and short lead times, we have successfully met the demands of the market.

Amokabel is also continuously working to reduce its environmental impact and made an early decision to invest in its own renewable electricity generation. Today, the Group owns several hydropower and wind power plants, as well as large-scale solar installations. As a result of these investments, the Group is now fully self-sufficient in renewable energy.

amokabel
CABLE FOR LIFE

SUSTAINABLE DEVELOPMENT

Amokabel is fully self-sufficient in energy, generated from 100% renewable sources. In addition, we are certified according to ISO 14001.

HIGH QUALITY

High quality is a guiding principle at Amokabel, shaping everything we do, from production to sales. We are also certified according to ISO 9001.

FLEXIBILITY IN PRODUCTION AND DELIVERY

Amokabel believes in a flexible organization, enabling us to quickly adapt our production and provide customers with short lead times.

INNOVATIONS

Amokabel is driven by technological innovation and has developed more than 9,000 unique cable variants.

HIGH CUSTOMER FOCUS

Amokabel works closely with its customers to find the best and most suitable solution for their specific needs.

RESPONSIBILITY - CSR

Amokabel is continuously committed to supporting the development of the local community. Through financial support for local organizations, we have contributed to important initiatives that benefit the people in the region.



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