

ACCORDIA

CABLES
BEYOND
STANDARD



Products & Solutions

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We design and manufacture **high precision** communication and control cables



About us

Accordia (formerly Biokal) is a Greek company that designs and manufactures high precision communication and control cables.

We started in the '70s with the aim of meeting domestic market requirements for television antenna cables. Soon we became the leader of the Greek market in coaxial cables, with exports to 20 countries and 3 continents.

In recent years, we expanded our cables range to meet new needs in the field of communications and smart buildings. To highlight this change, we updated our corporate identity and rebranded as Accordia in 2021.

Today we manufacture 75 and 50 Ohm coaxial cables, Data cables, Audio cables, CCTV cables, Burglar and fire alarm cables, BUS/KNX/EIB cables, Signal and Control cables, for TV, Audio, Video, RF, Data, Smart Buildings, Security, Broadcast and Automation applications.

We have developed FlameSmart technology for better cable reaction to fire, AllWeather technology for longer outdoor cable life and HyperShield technology for increased cable protection from electromagnetic interference.

Accordia is certified to ISO 9001, ISO 14001 and ISO 45001. All our cables are certified by notified bodies according to CPR up to class B2ca, s1a,d0,a1. The BUS/KNX cables we produce are additionally certified by KNX association.

Coaxial Cables 75 Ohm



For vibrant image

At Accordia we design and manufacture a complete range of 75 Ohm coaxial cables, with skin-foam-skin physically foamed insulation, very low attenuation, high shielding (up to A++ class 130dB & 0.40mOhm/m) and exceptional reaction to fire, up to B2ca CPR class.

Cable	Type	Sheath (mm)	Attenuation dB/100m @800/2150MHz	Screening Class	CPR Class	Technology
Vector® Dgs 2000	RG 6/7	HF 7,0	14,7/25,0	A++	Dca	FlameSmart®
Vector® Dgs 2002 AW	RG 6/7	PE 7,0	14,7/25,0	A++	Fca	AllWeather®
Vector® Dgs 1600	RG 6	HF 7,0	16,1/26,8	A++	B2ca	FlameSmart®
Vector® Dgs 1602 AW	RG 6	PE 6,8	16,1/26,8	A++	Fca	AllWeather®
Vector® Dgs 1500	RG 6	HF 6,9	16,5/28,2	A++	Dca	FlameSmart®
Vector® Sat+ 140	RG 6	HF 6,8	16,5/27,3	A+	Eca	-
Vector® Sat+ 120	RG 6	PVC 6,8	16,7/27,6	A+	Eca	-
Vector® Sat+ 122 AW	RG 6	PE 6,8	16,7/27,6	A+	Fca	AllWeather®
Vector® Sat+ 115	RG 6	PVC 6,8	17,0/28,2	A+	Eca	-
Vector® Sat 110	RG 6	PVC 6,8	17,0/29,0	A	Eca	-
RG 11	RG 11	PVC 10,1	11,5/20,0	A	Eca	-
RG 11 HF	RG 11	HF 10,1	11,5/20,0	A+	Dca	FlameSmart®
RG 11 Premium AW	RG 11	PE 10,1	11,5/20,0	A	Fca	AllWeather®
Vector® Sat+ 85	RG 59	HF 5,2	23,5/39,0	A+	Dca	FlameSmart®
RG 59 type	RG 59	PVC 6,0	34,0/-	-	Eca	-
RG 59 Premium AW	RG 59	PE 6,15	34,0/-	-	Fca	AllWeather®

Coaxial Cables 50 Ohm



Full power

We manufacture the 50 Ohm coaxial cables of the WL series, with very low attenuation and excellent electromagnetic shielding. Their insulation is composed of physically foamed polyethylene by the gas injection method and the three-layer skin-foam-skin technology.

Cable	Sheath	Diameter (mm)	Attenuation dB/100m @800MHz	Attenuation dB/100m @2150MHz	CPR Class	Technology
Vector® WL 240	PVC	5,40	26,0	46,0	Eca	-
Vector® WL 240 AW	PE	5,40	26,0	46,0	Fca	AllWeather®
Vector® WL 400 AW	PE	10,15	12,0	20,5	Fca	AllWeather®
Vector® WL 400 HF	HF	10,15	12,0	20,5	Fca	-

Broadcast SDI Cables



High definition up to 8K

Accordia SDI cables are 75 Ohm coaxial, specially designed to meet the high requirements of SMPTE standards and manufactured with the utmost precision. They have the lowest losses, very high shielding and excellent return loss values.

Cable	Sheath	Diameter (mm)	Max.distance (m) SMPTE 292 1,5Gb/s	Max.distance (m) SMPTE ST 424 3Gb/s	Max.distance (m) SMPTE ST 2081-1 6Gb/s	CPR Class
UHD 59	HF	5,90	93	65	89	Eca
UHD 6	HF	6,90	116	81	111	Eca
Vector® Dgs 1600	HF	7,00	123	85	118	B2ca
Vector® Dgs 2000	HF	7,00	136	94	127	Dca
UHD 11	HF	10,10	187	128	174	Eca

RG Mil Std Cables



Military specification cables

At Accordia we manufacture the main types of RG cables with an impedance of 50 Ohm and 75 Ohm following the requirements of the original Mil-C standards, but applying modern materials and production methods. Every RG type cable is manufactured also as Halogen Free Flame Retardant.

Cable	Sheath	Diameter (mm)	Attenuation dB/100m @800MHz	Attenuation dB/100m @2150MHz	CPR Class	Technology
RG 58 Mil-C-17	PVC	4,95	51,5	-	Fca	-
RG 58 Mil-C-17 HF	HF	4,95	51,5	-	Fca	-
RG 59 Mil-C-17	PVC	6,15	34,0	-	Fca	-
RG 59 Mil-C-17 HF	HF	6,15	34,0	-	Fca	-
RG 11 Mil-C-17	PVC	10,30	22,5	47,2	Fca	-
RG 11 Mil-C-17 HF	HF	10,30	22,5	47,2	Fca	-
RG 213 Mil-C-17	PVC	10,30	22,0	41,5	Fca	-
RG 213 Mil-C-17 HF	HF	10,30	22,0	41,5	Fca	-
RG 214 Mil-C-17	PVC	10,80	22,0	41,5	Fca	-
RG 214 Mil-C-17 HF	HF	10,80	22,0	41,5	Fca	-
RG 223 Mil-C-17	PVC	5,40	41,5	70,0	Fca	-

Data Cables



High speed, high bandwidth

Accordia's lan cables offer reliability and future-proof features. They meet the categories Cat 5e, Cat 6, Cat 6A and Cat 7. In particular, Cat 6A and Cat 7 allow the future operation of the network at higher speeds, higher bandwidth and faster connections.

Cable	Frequency	Conductors	Sheath	Diameter (mm)	CPR Class	Technology
Cat 5e U/UTP	100 MHz	24 AWG	HF	5,60	Eca	-
Cat 6 U/UTP AW	250 MHz	23 AWG	PE	6,20	Fca	AllWeather®
Cat 6 U/UTP	250 MHz	23 AWG	HF	6,00	Dca	FlameSmart®
Cat 6A U/UTP	500 MHz	23 AWG	HF	6,30	Dca	FlameSmart®
Cat 6A S/FTP	500 MHz	23 AWG	HF	6,40	Dca	FlameSmart®
Cat 7 S/FTP	600 MHz	23 AWG	HF	8,00	Dca	FlameSmart®



Coaxial CCTV Cables



**For accurate video
transmission**

CCTV (Closed Circuit Television) cables connect surveillance cameras with recorders and monitors in closed circuit television (video surveillance) systems. At Accordia we manufacture a complete range of 75 Ohm coaxial CCTV cables for HDCVI, AHD, TVI and CVBS cameras.

Cable	Type	Sheath (mm)	Attenuation dB/100m @800/2150MHz	Screening Class	CPR Class	Technology
Vector® Sat+ 122 AW	RG 6	PE 6,8	16,7/27,6	A+	Fca	AllWeather®
Vector® Sat+ 115	RG 6	PVC 6,8	17,0/28,2	A+	Eca	-
RG 11	RG 11	PVC 10,1	11,5/20,0	A	Eca	-
RG 11 HF	RG 11	HF 10,1	11,5/20,0	A+	Dca	FlameSmart®
RG 11 Premium AW	RG 11	PE 10,1	11,5/20,0	A	Fca	AllWeather®
Vector® Sat+ 85	RG 59	HF 5,2	23,5/39,0	A+	Dca	FlameSmart®
Vector® HD 900	RG 59	PVC 5,0	22,8/38,2	-	Eca	-
RG 59 type	RG 59	PVC 6,0	34,0/-	-	Eca	-
RG 59 Premium AW	RG 59	PE 6,15	34,0/-	-	Fca	AllWeather®



Composite CCTV Cables



**One cable for signal
and power**

Accordia's best seller composite CCTV (Closed Circuit Television) cables combine signal transmission and power supply, saving valuable installation time. For applications where outdoor wiring is required, we recommend our All Weather® technology cables, for excellent resistance to UV sunlight and moisture.

Cable	Signal Cable	Power Cables	Sheath	Sheath (mm)	CPR Class	Technology
CC 100	1 mini RG59	2x0,50mm ²	PVC	5,4 x 7,0	Eca	-
CC 102 AW	1 mini RG59	2x0,50mm ²	PE	5,6 x 7,0	Fca	AllWeather®
HD900+2x0,75	1 HD900	2x0,75mm ²	PVC	6,3 x 8,6	Eca	-
HD900+2x0,75 AW	1 HD900	2x0,75mm ²	PE	6,3 x 8,6	Fca	AllWeather®
CC 200	2 mini RG59	2x0,50mm ²	PVC	Ø 8,2	Eca	-
CC 202 AW	2 mini RG59	2x0,50mm ²	PE	Ø 8,2	Fca	AllWeather®
DTV 11	1 RG59	7x0,50+3x1,00	PVC	Ø 10,5	Eca	-
UTP 5e+2x0,75 AW	1 U/UTP Cat5e	2x0,75mm ²	PE	6,8 x 8,3	Fca	AllWeather®



Security Alarm Cables



**Protecting life
and property**

At Accordia we offer security alarm cables only from tinned pure copper. This is how we guarantee the cable's excellent electrical and mechanical properties and also to cope perfectly with installation stress, resulting in very stable connections, resilient in time and to temperature changes.

Cable	Nr of Conductors	Conductors	Screening	Power Cables	Sheath	CPR Class	Technology
Defencer® SC TU	4/6/8/12	TCu	-	-	PVC	Eca	-
Defencer® SC TU HF	6	TCu	-	-	HF	Dca	FlameSmart®
Defencer® SC TS	4/6/8/12	TCu	Al tape + drain	-	PVC	Eca	-
Defencer® SC TS+Power	4/6	TCu	Al tape + drain	2x0,50mm ²	PVC	Eca	-
Defencer® SC TS HF	8	TCu	Al tape + drain	-	HF	Dca	FlameSmart®
Defencer® SC TS+Power HF	6	TCu	Al tape + drain	2x0,50mm ²	HF	Dca	FlameSmart®
Defencer® SC TS AW	8	TCu	Al tape + drain	-	PE	Fca	AllWeather®
Defencer® SC TS+Power AW	4/6	TCu	Al tape + drain	2x0,50mm ²	PE	Fca	AllWeather®



Fire Alarm, Fire Resistant Cables



**The cable must be
the last to burn!**

We developed the Pyrolink® series of fire resistant cables for fire detection systems. Pyrolink® cables are Halogen Free, FE 180 and PH 120 with CPR class up to Dca. Design and construction were based on the EN 54 and our inhouse continuous testing is according to EN 50200.

Cable	Conductors	Time PH (min)	Screening	Sheath	CPR Class	Technology
Pyrolink® R	solid	30 - 120	Al tape + drain	HF	-	-
Pyrolink® F HS	stranded	30 - 120	Braid + Al tape	HF	Dca	HyperShield®
Pyrolink® F	stranded	30 - 120	Al tape + drain	HF	-	-
Pyrolink® Evac	stranded	30 - 120	-	HF	Eca	-



Control Cables



**For reliable
automation systems**

At Accordia we design and manufacture a wide range of control cables. In addition to the traditional LiYCY and YSLCY with PVC, we also offer the corresponding LiHCH and HSLCH with halogen-free HF plastics and FlameSmart® technology for increased fire safety, in CPR class up to B2ca.

Cable	Conductors	Insulation	Screening	Sheath	CPR Class	Technology
LiYY	Cu	PVC	-	PVC	Eca	-
LiHH	Cu	HF	-	HF	Dca / Cca / B2ca	FlameSmart®
LiHH type AW	Cu	HF	-	PE	Fca	AllWeather®
LiY(St)Y	Cu	PVC	Al tape + drain	PVC	Eca	-
LiH(St)H	Cu	HF	Al tape + drain	HF	Dca / Cca / B2ca	FlameSmart®
LiYCY	Cu	PVC	braid	PVC	Eca	-
LiHCH	Cu	HF	braid	HF	Dca / Cca / B2ca	FlameSmart®
LiHCH type AW	Cu	HF	braid	PE	Fca	AllWeather®
LiY(St)CY	Cu	PVC	braid + Al tape	PVC	Eca	-
LiH(St)CH	Cu	HF	braid + Al tape	HF	Dca / Cca / B2ca	FlameSmart®
YSLY	Cu	PVC	-	PVC	Eca	-
HSLH	Cu	HF	-	HF	Dca / Cca / B2ca	FlameSmart®
HSLH type AW	Cu	HF	-	PE	Fca	AllWeather®
YSLCY	Cu	PVC	braid	PVC	Eca	-
HSLCH	Cu	HF	braid	HF	Dca / Cca / B2ca	FlameSmart®
HSLCH type AW	Cu	HF	braid	PE	Fca	AllWeather®

BUS/KNX/EIB Cables



KNX certified cables for smart buildings

Smart buildings improve energy efficiency, comfort, flexibility and security. At Accordia we are an official KNX member-manufacturer and we manufacture one and two pair certified KNX cables, DALI, Profibus and RS485 cables.

Cable	Pairs	Screening	Sheath	Diameter (mm)	CPR Class	Technology
1x2x0,8 KNX	1	Al tape + drain	HF	5,50	Eca	-
2x2x0,8 KNX	2	braid + Al tape	HF	8,00	B2ca	FlameSmart®
2x2x0,8 KNX	2	Al tape + drain	HF	6,10	Dca	FlameSmart®
2x2x0,8 KNX AW	2	Al tape + drain	PE	6,10	Fca	AllWeather®
1x2x0,64 PROFIBUS DP	1	braid + Al tape	HF	8,00	Dca	FlameSmart®
DALI	1	-	HF	6,20	Dca	FlameSmart®
DALI HS	1	braid + Al tape	HF	6,70	Dca	HyperShield®
RS-485	1	braid + Al tape	HF	5,90	Dca	FlameSmart®



Round Loudspeaker Cables



Professional Series

At Accordia we design and manufacture round, twisted pair double insulated loudspeaker cables, with CPR class up to B2ca. Conductors are made of pure Oxygen Free copper, and feature a small lay length for better electromagnetic screening. They are ideal for professional installations and 100Volt speakers.

Cable	Type	Conductors	Colors	Sheath	CPR Class	Technology
SR series	round	OFCu	white	PVC	Fca	-
SR series AW	round	OFCu	black	PE	Fca	AllWeather®
SR series HF	round	OFCu	white	HF	Dca / B2ca	FlameSmart®
Pyrolink® Evac	round	OFCu	purple	HF	Eca	-

Flat Loudspeaker Cables

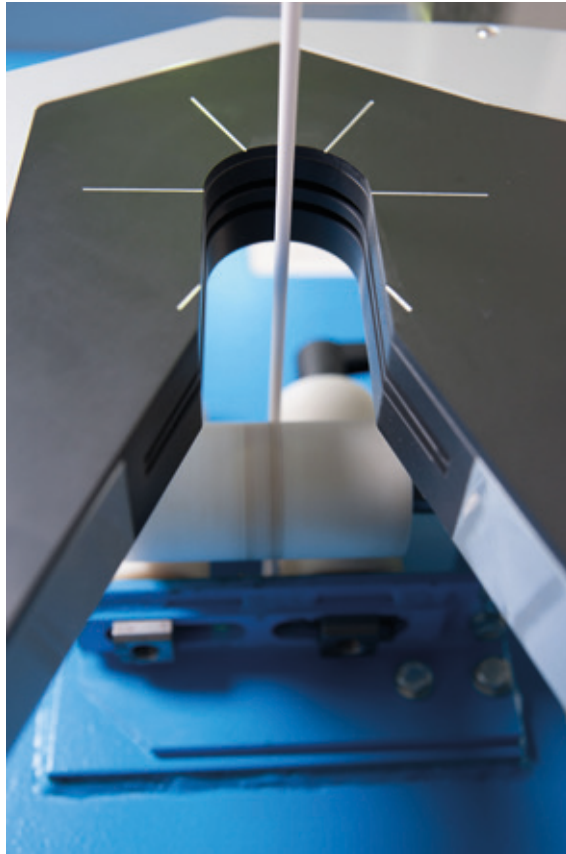


For crystal clear sound

We offer a wide variety of speaker cables to meet different needs and requirements. From the classic flat red-black cables to the Hi-End Goliath series with oxygen free copper, Oxygen Free Electronic, with a purity of 99,99%, 5ppm.

Cable	Type	Conductors	Colors	Sheath	CPR Class	Technology
ME series	flat	Cu	white	PVC	Fca	-
RB series	flat	Cu	red-black	PVC	Fca	-
GB series	flat	Cu	grey-blue	HF	Dca	FlameSmart®
TP series	flat	Cu	transparent	PVC	Fca	-
Goliath series	flat	OFCu	transparent	PVC	Fca	-





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