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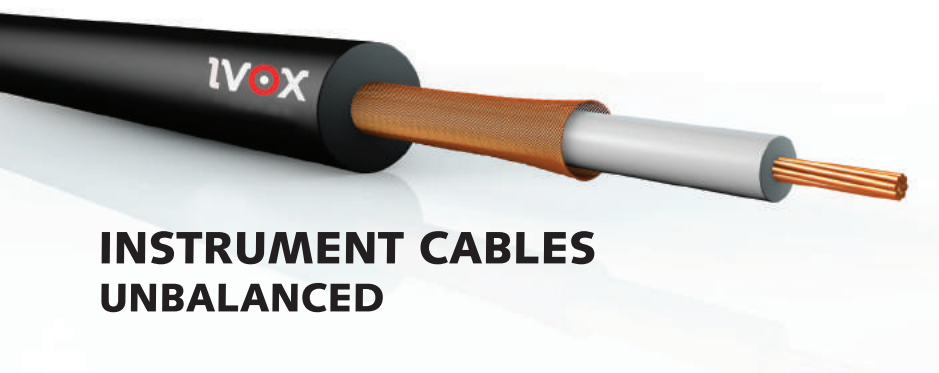
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INSTRUMENT CABLES UNBALANCED

VU 126 ACORD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

This cable is specially suitable for connecting high ohmic components such as synthesisers, keyboards or guitars in professional stage and studio operation. The high-quality 1x0.22 mm² special cable has an increased cross-section, a semi-conductor layer and spiral screen, which makes it suitable for the most stringent requirements of professional stages and studios

CONSTRUCTION DATA

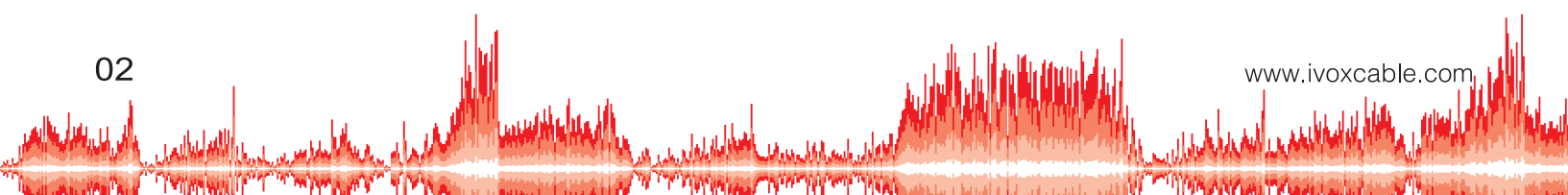
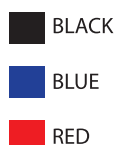
Core Numbers x Section	1 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded bare copper
Conductor Insulation	1,80 ± 0,05 mm ø Foam/Skin PE
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	6,2 mm ø
Weight	4,4 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	80%
Capacitance	core/screen 85 pF / m
Test voltage	1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C





INSTRUMENT CABLES UNBALANCED

VU 136 ACORD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

This cable is specially suitable for connecting high ohmic components such as synthesisers, keyboards or guitars in professional stage and studio operation. The high-quality 1x0.34 mm² special cable has an increased cross-section, a semi-conductor layer and spiral screen, which makes it suitable for the most stringent requirements of professional stages and studios

CONSTRUCTION DATA

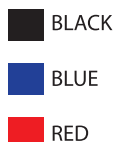
Core Numbers x Section	1 x 0,34 mm ² (AWG 22)
Stranded Copper Conductor	19 x 0,15 mm ø Stranded bare copper
Conductor Insulation	2 ± 0,05 mm ø Foam/Skin PE
Shielding	Copper spiral shielding + Semi-conductor
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	6,2 mm ø
Weight	4,8 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 53 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	80%
Capacitance core/screen	85 pF / m
Test voltage	1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C





MICROPHONE CABLES BALANCED

VB 226 ULTIMATE

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Flexible structure with a low bending radius due to improved outer sheath material (sPVC) Ivox Audio cables are used in professional systems for the transmission of analogue audio signals XLPE (Cross Linked Polyethylene) insulation provides superb electrical characteristics and will not melt or shrink back during soldering.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded bare copper
Conductor Insulation	1,40 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	6,5 mm ø
Weight	4,6 kg/100 m

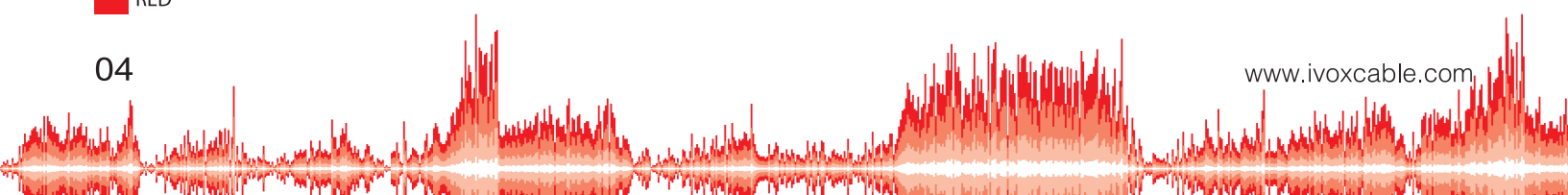
ELECTRICAL DATA

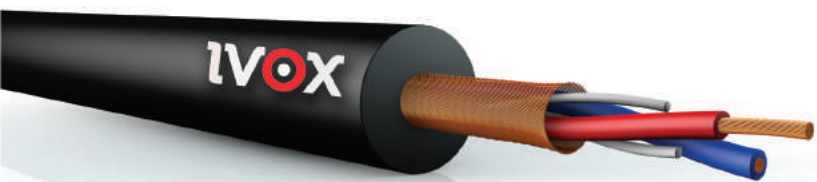
Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	66%
Capacitance	core/core 68pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to +70° C

BLACK	GREEN
BLUE	YELLOW
RED	





MICROPHONE CABLES BALANCED

VB 236 HERO

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Flexible structure with a low bending radius due to improved outer sheath material (sPVC). Ivox Audio cables are used in professional systems for the transmission of analogue audio signals High transmission quality through the use of oxygen-free copper stranding with a large wire gauge of 2x0,34 mm² XLPE (Cross Linked Polyethylene) insulation provides superb electrical characteristics and will not melt or shrink back during soldering.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,34 mm ² (AWG 22)
Stranded Copper Conductor	42 x 0,10 mm ø Stranded bare copper
Conductor Insulation	1,60 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	S-PVC Matt
Outer Diameter	6,4mm ø
Weight	5,3 kg/100 m

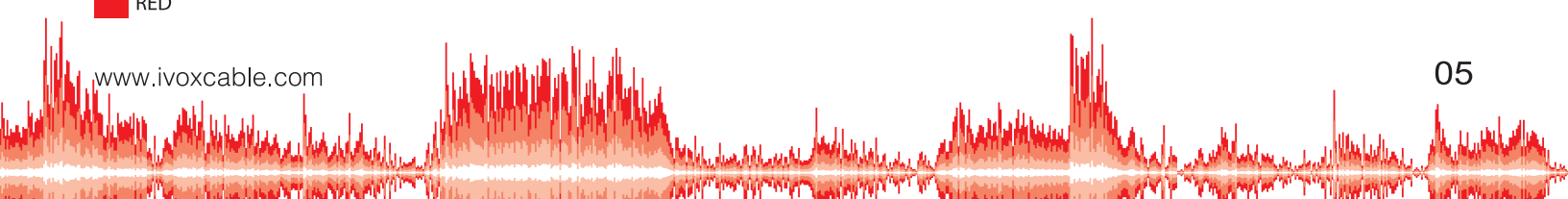
ELECTRICAL DATA

Conductor Resistance	< 53 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	66%
Capacitance	core/core 60 pF / m
	core/screen 120 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	6 x D (D= outer diameter)
Temperature range	
Mobile installation	-5° C to + 70° C
Fixed installation	-30° C to + 70° C

- BLACK
- BLUE
- RED





MICROPHONE CABLES BALANCED



VB 226 ULTIMATE PLUS

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

ANALOG

APPLICATION

Balanced microphone cables are designed with a smaller diameter and high shielding factor. Broadcasting systems for transmitting the analog sound signals of high quality that can get past even the best shields and critical is an environment of high RF and EMI

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm Ø Stranded bare copper
Conductor Insulation	1,40 mm Ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Separation	PVC tube, Ø 3.1 mm
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	S-PVC Matt
Outer Diameter	6 mm Ø
Weight	5,5 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 26 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	80%
Capacitance	core/core 60 pF / m
	core/screen 110 pF / m
Nominal Impedance 1 KHz	600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

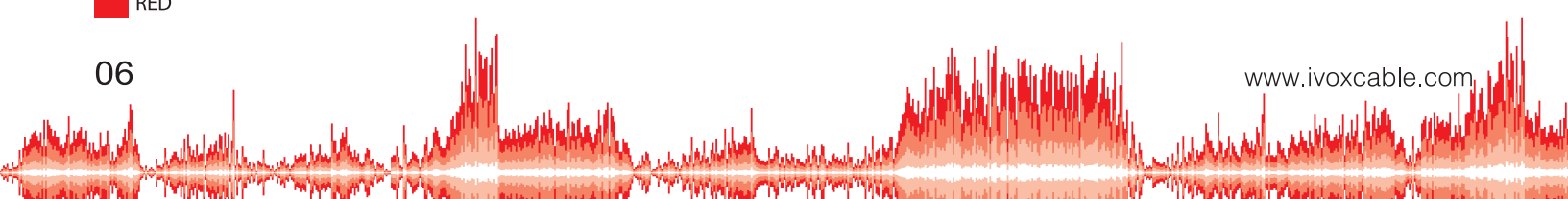
MECHANICAL DATA

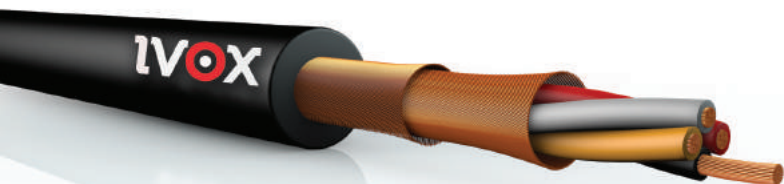
Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK

■ BLUE

■ RED





MICROPHONE CABLES STAR QUAD

VB 426 SQ ORION

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

This star configuration of microphone cable offers excellent noise rejection whilst the lapped interference screening provides a very effective barrier against radio frequency. Double conductors quad cables are more effective in canceling noise that can get past even the best of shields and is critical in an environment of high RF and EMI

CONSTRUCTION DATA

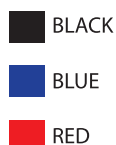
Core Numbers x Section	4 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm \varnothing Stranded bare copper
Conductor Insulation	1,60 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red / Pink / Yellow
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	sPVC Matt
Outer Diameter	6,3 mm \varnothing
Weight	5,8 kg/100 m

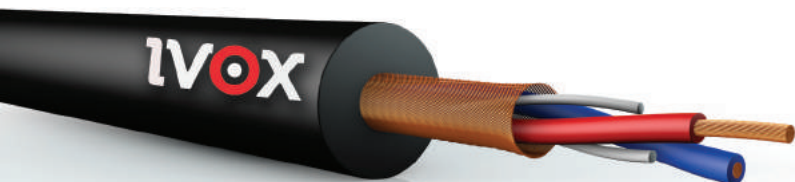
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 60 pF / m core/screen 115 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C





MICROPHONE CABLES BALANCED

VB 256 TRON

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Flexible structure with a low bending radius due to improved outer sheath material (sPVC). Ivox Audio cables are used in professional systems for the transmission of analogue audio signals high transmission quality through the use of oxygen-free copper stranding with a large wire gauge of 2 x 0,50 mm² XLPE (Cross Linked Polyethylene) insulation provides superb electrical characteristics and will not melt or shrink back during soldering.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,50mm ² (AWG 20)
Stranded Copper Conductor	28 x 0,15 mm ø Stranded bare copper
Conductor Insulation	1,60 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	sPVC Matt
Outer Diameter	6,4mm ø
Weight	5,3 kg / 100 m

ELECTRICAL DATA

Conductor Resistance	< 37 Ω / km
Shield Resistance	< 21 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	core/core 80 pF / m
	core/screen 145 pF / m
Nominal Impedance	1 KHz 600 Ω / 100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

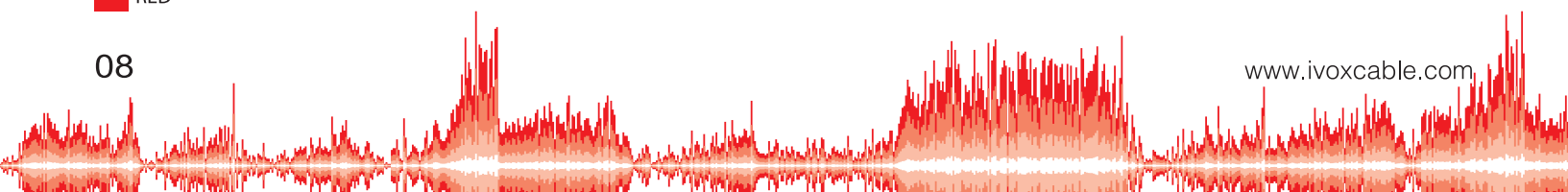
MECHANICAL DATA

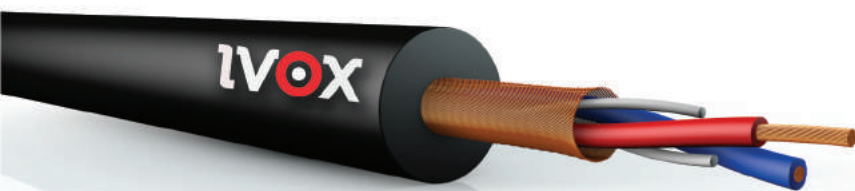
Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	-5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK

■ BLUE

■ RED





MICROPHONE CABLES BALANCED

VB 226 ULTIMATE LSZH

✓STUDIO ✓INSTALLATION



HFFR

OFC

ANALOG

APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Mutual capacitance is lower than typical microphone cable to reduce the high frequency roll-off that occurs in long runs of mic level signals. Ideal for sound reinforcement and remote production in hostile environments. Ivox Audio cables are used in professional systems for the transmission of analogue audio signals. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded bare copper
Conductor Insulation	1,40 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	6,1 mm ø
Weight	4,6 kg/100 m

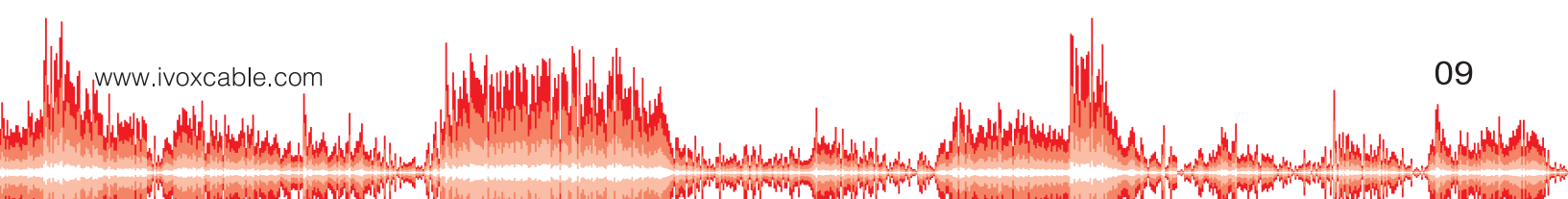
ELECTRICAL DATA

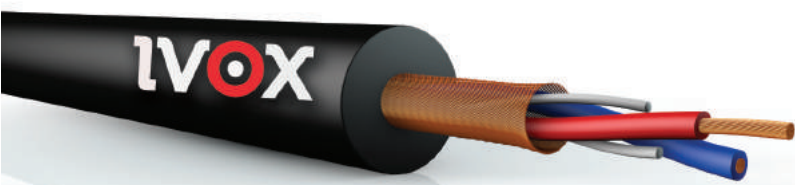
Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	80%
Capacitance	core/core 68 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK





MICROPHONE CABLES BALANCED

VB 236 HERO LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Mutual capacitance is lower than typical microphone cable to reduce the high frequency roll-off that occurs in long runs of mic level signals. Ideal for sound reinforcement and remote production in hostile environments. Ivox Audio cables are used in professional systems for the transmission of analogue audio signals. These types of audio cables have low smoke density , halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,34 mm ² (AWG 22)
Stranded Copper Conductor	42 x 0,10 mm ø Stranded bare copper
Conductor Insulation	1,60 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	HFFR Compound
Outer Diameter	6 mm ø
Weight	5,3 kg/100 m

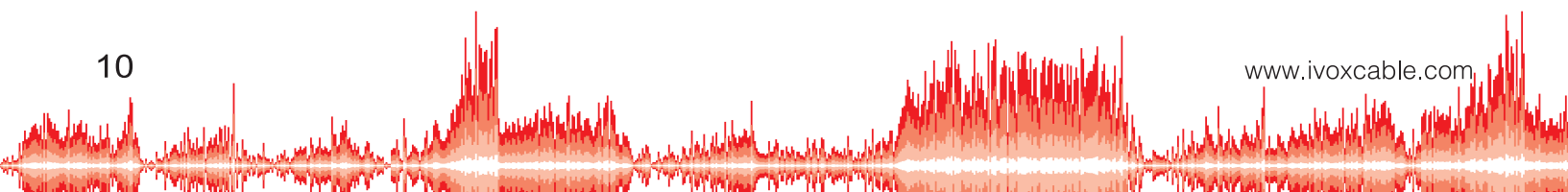
ELECTRICAL DATA

Conductor Resistance	< 53 Ω / km
Shield Resistance	< 39 Ω /km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	66%
Capacitance	core/core 60 pF / m
	core/screen 120 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK





MICROPHONE CABLES BALANCED



VB 226 ULTIMATE PLUS LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

Balanced microphone cables are designed with a smaller diameter and high shielding factor. Broadcasting systems for transmitting the analog sound signals of high quality that can get past even the best shields and critical is an environment of high RF and EMI. Ivox audio cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm Ø Stranded bare copper
Conductor Insulation	1,40 mm Ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Separation	PVC tube, Ø 3.1 mm
Shielding 1st	Copper spiral shielding
Shielding 2nd	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	6 mm Ø
Weight	5,5 kg/100 m

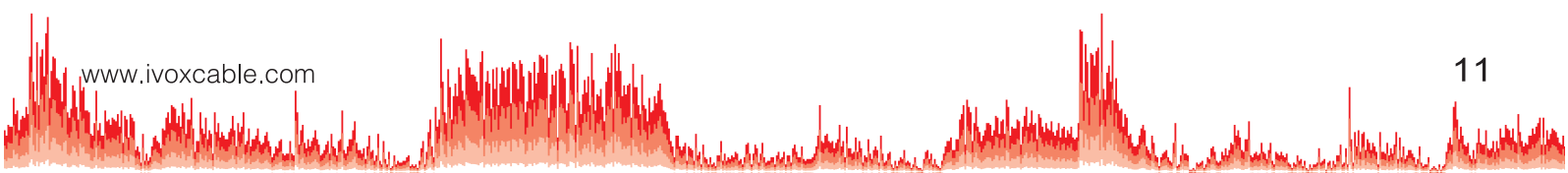
ELECTRICAL DATA

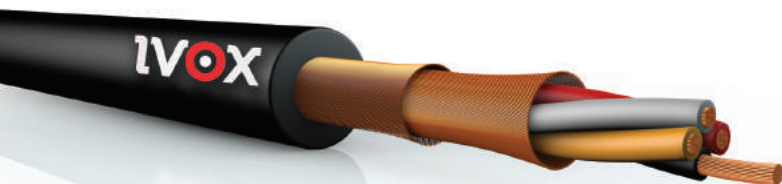
Conductor Resistance	< 86 Ω / km
Shield Resistance	< 26 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	80%
Capacitance	core/core 60 pF / m
	core/screen 110 pF / m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK





MICROPHONE CABLES STAR QUAD

VB 426 SQ ORION LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

This star configuration of microphone cable offers excellent noise rejection whilst the lapped interference screening provides a very effective barrier against radio frequency. Double conductors quad cables are more effective in canceling noise that can get past even the best of shields and is critical in an environment of high RF and EMI. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	4 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm \varnothing Stranded bare copper
Conductor Insulation	1,60 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red / Pink / Yellow
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	HFFR Compound
Outer Diameter	6,3 mm \varnothing
Weight	5,8 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 60 pF / m
	core/screen 115 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

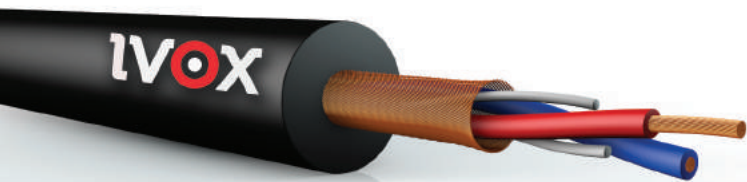
MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK

■ BLUE

■ RED



MICROPHONE CABLES BALANCED

VB 256 TRON LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

Balanced microphone cables especially designed for stage and mobile applications. Mutual capacitance is lower than typical microphone cable to reduce the high frequency roll-off that occurs in long runs of mic level signals. Ideal for sound reinforcement and remote production in hostile environments. High transmission quality through the use of oxygen-free copper stranding with a large wire gauge of 2 x 0,50 mm². These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,50mm ² (AWG 20)
Stranded Copper Conductor	28 x 0,15 mm ø Stranded bare copper
Conductor Insulation	1,60 ± 0,05 mm ø XLPE (Cross-Linked Polyethylene)
Conductor Color Code	Blue / Red
Filling Material	Cotton Cord
Shielding	Copper spiral shielding
Shielding Factor	98%
Outer Sheath	HFFR Compound
Outer Diameter	6,4mm ø
Weight	5,3 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 37 Ω / km
Shield Resistance	< 21 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	core/core 80 pF / m
	core/screen 145 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK



ANALOG PATCH AUDIO CABLES BALANCED

VP 223 SWAN

✓STUDIO ✓INSTALLATION



PVC

OFC

ANALOG

APPLICATION

Industry standard balanced audio cable for permanent installation. Stranded tinned-copper conductors are easy to solder or punch-down. Excellent process control and tight pair twisting achieves superior noise rejection. Ideal for punch-down, rack wiring, and extended distance runs of mic level signals.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm ø Tinned copper
Shielding	Al / Pes - Foil
Shielding Factor	100%
Outer Sheath	PVC
Outer Diameter	3,0 mm ø
Weight	1.6 kg/100 m

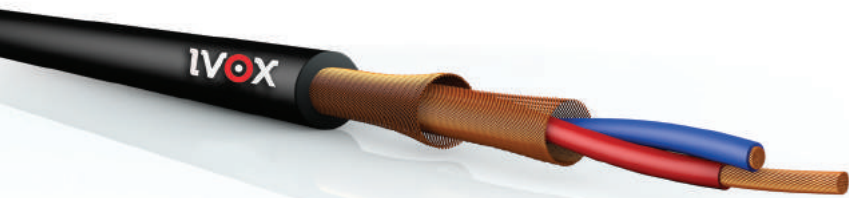
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 75 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	66%
Capacitance	core/core 75 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



ANALOG PATCH AUDIO CABLES BALANCED

VP 203 PRO SHINE

✓ STUDIO ✓ INSTALLATION



PVC

OFC

ANALOG

APPLICATION

Broadcast standard balanced audio cable for permanent installation. OFC copper conductors are easy to solder or punch-down. Excellent process control and tight pair twisting achieves superior noise rejection. Best shields and critical is an environment of high RF and EMI. Ideal for punch-down, rack wiring, and extended distance runs of mic level signals.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,20 mm ² (AWG 24)
Stranded Copper Conductor	25 x 0,10 mm \varnothing Stranded bare copper
Conductor Insulation	1,20 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	PVC
Outer Diameter	3,2 mm \varnothing
Weight	1.9 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 65 pF / m
	core/screen 130 pF / m
Nominal Impedance 1 KHz	600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



ANALOG PATCH AUDIO CABLES BALANCED

VP 223 SWAN LSZH

✓STUDIO ✓INSTALLATION



APPLICATION

Industry standard balanced audio cable for permanent installation. Stranded tinned-copper conductors are easy to solder or punch-down. Excellent process control and tight pair twisting achieves superior noise rejection. Ideal for punch-down, rack wiring, and extended distance runs of mic level signals. These cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm \varnothing Tinned copper
Conductor Insulation	1,20 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm \varnothing Tinned copper
Shielding	Al / Pes - Foil
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	3,0 mm \varnothing
Weight	1.6 kg/100 m

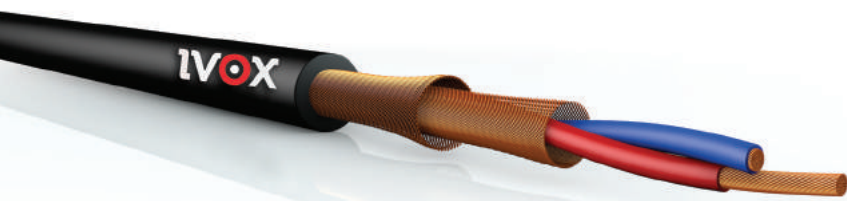
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 75 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 75 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



ANALOG PATCH AUDIO CABLES BALANCED

VP 203 PRO SHINE LSZH

✓STUDIO ✓INSTALLATION



HFFR OFC ANALOG

APPLICATION

Balanced audio cable for permanent installation for Broadcasting system . OFC copper conductors are easy to solder or punch-down. Excellent process control and tight pair twisting achieves superior noise rejection. Best shields and critical is an environment of high RF and EMI. Ideal for punch-down, rack wiring, and extended distance runs of mic level signals. These cable products have low smoke density , halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,20 mm ² (AWG 24)
Stranded Copper Conductor	25 x 0,10 mm \varnothing Stranded bare copper
Conductor Insulation	1,20 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	3,2 mm \varnothing
Weight	1.9 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 65 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



FLAT INSTALLATION CABLES

VF 224 FLAT

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

VF 224 cable is designed to be used in TV channels and mobile installations where flat cables are required. This cable is specially suitable for connecting, high ohmic components such as favourite media device keyboards professional stage and studio operation

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm \varnothing Stranded Bare Copper
Conductor Insulation	1,50 \pm 0,05 mm \varnothing PE
Conductor Color Code	Blue / Red
Shielding Factor	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC
Outer Diameter	3,1 x 6,1 mm \varnothing
Weight	3 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core
	core/screen
	80 pF / m
	150 pF / m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK



FLAT INSTALLATION CABLES

VF 2224 TWIN FLAT

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



APPLICATION

VF 2224 cable is designed to be used in Broadcast system and mobile installations where flat cables are required. This cable is specially suitable for connecting two channel XLR connection professional stage and studio operation

CONSTRUCTION DATA

Core Numbers x Section	2 x 2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm \varnothing Stranded Bare Copper
Conductor Insulation	1,50 \pm 0,05 mm \varnothing XLPE
Conductor Color Code	Blue / Red
Shielding 1 st	Copper spiral shielding
Shielding 2 nd	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC
Outer Diameter	3,5 x 7,4 mm \varnothing
Weight	4.1 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 22 Ω / km
Insulation Resistance	> 2000 M Ω x km
Capacitance	core/core 80 pF / m
	core/screen 135 pF / m

MECHANICAL DATA

Minimum bending radius	10x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK



AES/EBU & DMX CABLES

110 Ω



VD 226 AES/EBU

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

DIGITAL

APPLICATION

Ivox AES/EBU Series cables have been specifically designed for the accurate transmission of AES/EBU digital audio signals. Low capacitance and stable characteristic impedance ensure that signals remain error and over long distances. This also makes this cable range suitable for other critical data transfer applications.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	5,2 mm ø
Weight	3,9 kg/100 m

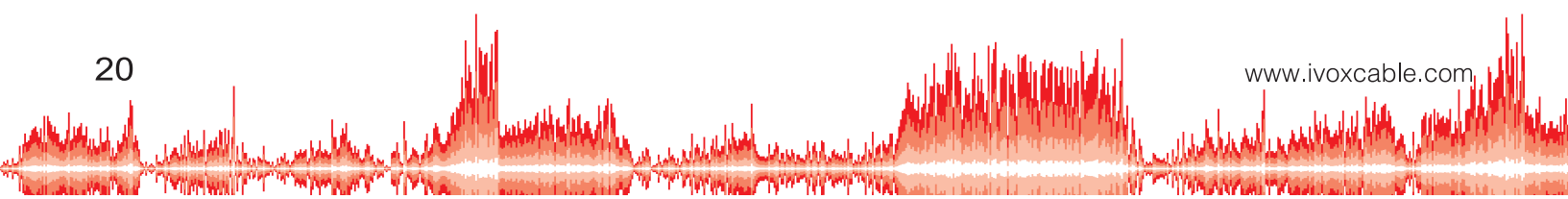
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km	
Shield Resistance	< 39 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	78%	
Capacitance	core/core	45 pF / m
	core/screen	120 pF / m
Nominal Impedance	1 KHz	110±10% Ω /100 m
Attenuation	1 MHz	2,2 dB
	3 MHz	3,8 dB
	10 MHz	6,9 dB

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES
110 Ω



VD 226 DMX

✓MOBILE ✓STUDIO ✓INSTALLATION ✓STAGE

sPVC OFC DIGITAL

APPLICATION

DMX Lighting control cable is a true DMX cable with an exceptionally durable and flexible construction. Cable specification 110 impedance, ultra low capacitance, and double shield. Unlike conventional cables that are not intended for data transmission

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shield
2nd Shield	Copper spiral shield
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	5,2 mm ø
Weight	3,7 kg/100 m

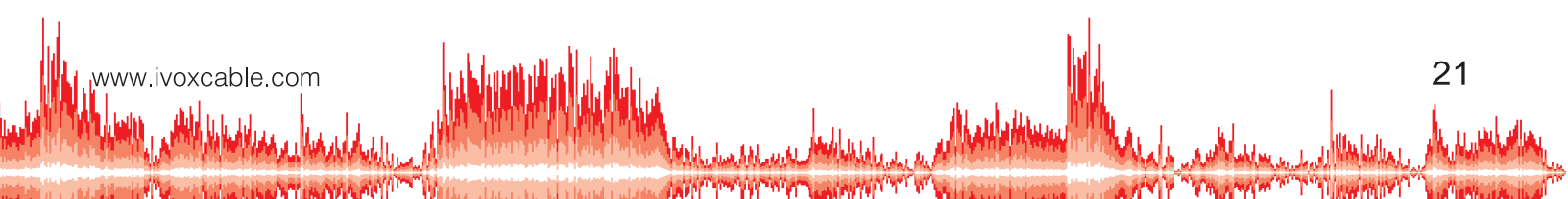
ELECTRICAL DATA

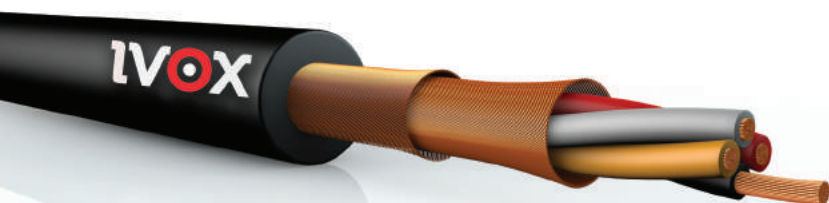
Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core core/screen
	45 pF / m 130 pF / m
Nominal Impedance	1 KHz
Attenuation	110 Ω /100 m
	1 MHz
	3 MHz
	10 MHz
Test voltage	core/core core/screen
	0.5 kVeff 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES

110 Ω



VD 426 DMX 512

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

DIGITAL

APPLICATION

DMX 512 Lighting control cable is a true DMX cable with an exceptionally durable and flexible construction. Cable specification two pair and 110 impedance, ultra low capacitance, double shielded. Unlike conventional cables that are not intended for data transmission

CONSTRUCTION DATA

Core Numbers x Section	4 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red / Black / Green
1st Shield	Copper spiral shield
2nd Shield	Copper spiral shield
Shielding Factor	100%
Outer Sheath	sPVC Matt
Outer Diameter	6,5 mm ø
Weight	7.6 kg/100 m

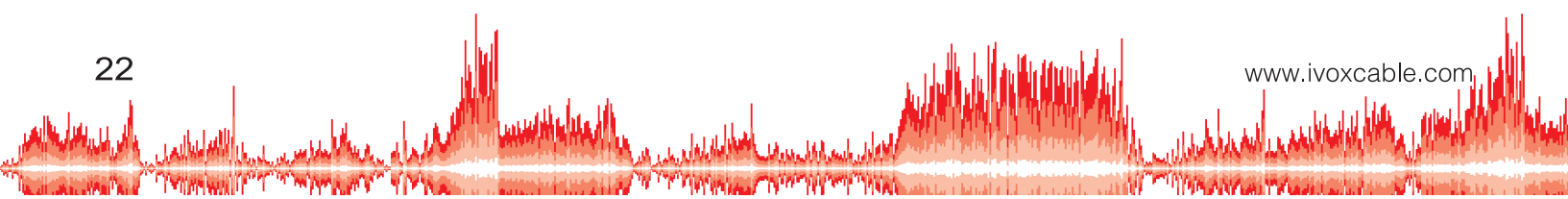
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 45 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 110 Ω /100 m
Attenuation	1 MHz 2,2 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES

110 Ω



VD 223 AES/EBU PATCH

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

DIGITAL

APPLICATION

Ivox AES/EBU Series patch cables have been specifically designed for the accurate transmission of AES/EBU digital audio signals. Low capacitance and stable characteristic impedance ensure that signals remain error and over long distances. This also makes this cable range suitable for other critical data transfer applications.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Stranded Tinned Copper
Conductor Insulation	1,40 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	sPVC Matt Black
Outer Diameter	3,5 mm ø
Weight	2,1 kg/100 m

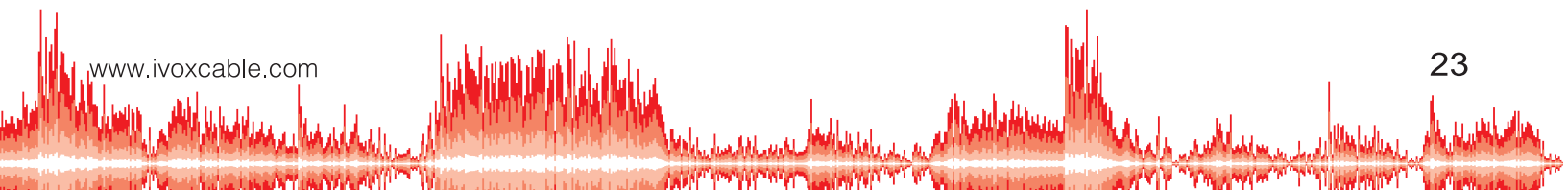
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 36 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 50 pF / m
	core/screen 120 pF / m
Characteristic Impedance	1 KHz 110 Ω /100 m
Attenuation	1 MHz 2,2 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES 110 Ω



VD 226 AES/EBU LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

Ivox AES/EBU Series cables have been specifically designed for the accurate transmission of AES/EBU digital audio signals. Low capacitance and stable characteristic impedance ensure that signals remain error and over long distances. This also makes this cable range suitable for other critical data transfer applications. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	5,0 mm ø
Weight	3,9 kg/100 m

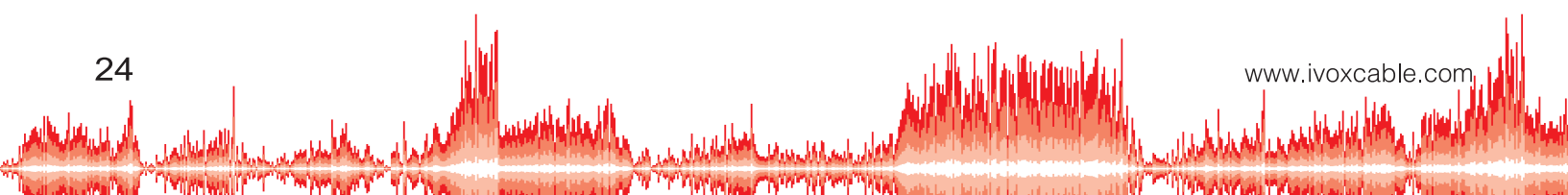
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 45 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 110 Ω /100 m
Attenuation	1 MHz 2,2 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES

110 Ω



VD 226 DMX LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

DMX Lighting control cable is a true DMX cable with an exceptionally durable and flexible construction. Cable specification 110 impedance, ultra low capacitance, and double shield. Unlike conventional cables that are not intended for data transmission. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shield
2nd Shield	Copper spiral shield
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	5,0 mm ø
Weight	3,7 kg/100 m

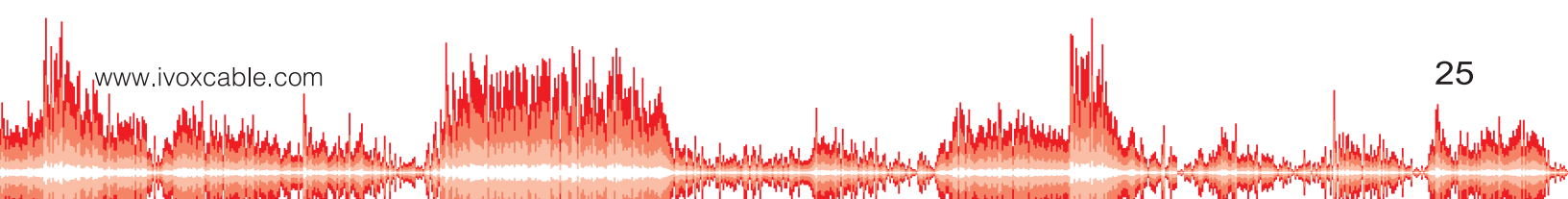
ELECTRICAL DATA

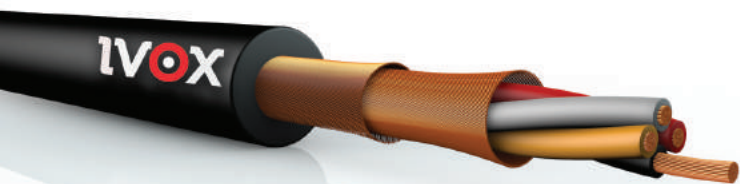
Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 45 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 110 Ω /100 m
Attenuation	
	1 MHz 2,2 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
Test voltage	
	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES

110 Ω



VD 426 DMX 512 LSZH

✓STUDIO ✓INSTALLATION

HFFR OFC DIGITAL

APPLICATION

DMX 512 Lighting control cable is a true DMX cable with an exceptionally durable and flexible construction. Cable specification two pair and 110 impedance, ultra low capacitance, double shielded. Unlike conventional cables that are not intended for data transmission These types of audio cables have low smoke density , halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	4 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	28 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,60 ± 0,05 mm ø Foam-Skin Pe
Conductor Color Code	Blue / Red / Black / Green
1st Shield	Copper spiral shield
2nd Shield	Copper spiral shield
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	6,5 mm ø
Weight	7,6 kg/100 m

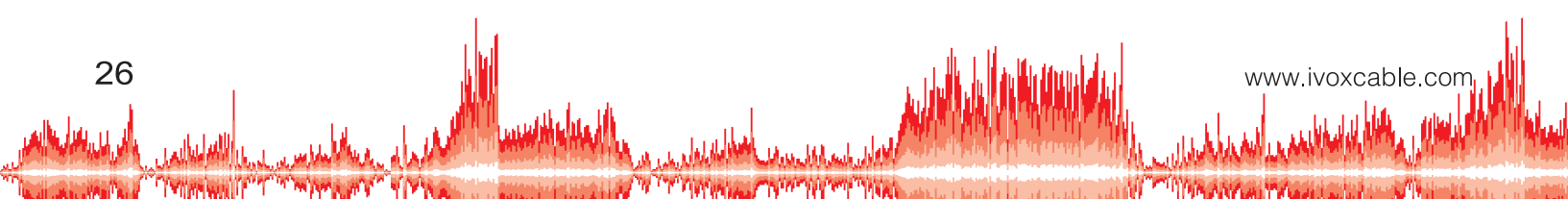
ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 39 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 45 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 110 Ω /100 m
Attenuation	
	1 MHz
	3 MHz 2,2 dB
	10 MHz 3,8 dB
Test voltage	6,9 dB
	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





AES/EBU & DMX CABLES



VD 223 AES/EBU PATCH LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

Ivox AES/EBU Series patch cables have been specifically designed for the accurate transmission of AES/EBU digital audio signals. Low capacitance and stable characteristic impedance ensure that signals remain error and over long distances. This also makes this cable range suitable for other critical data transfer applications. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm Ø Stranded Tinned Copper
Conductor Insulation	1,40 ± 0,05 mm Ø Foam-Skin Pe
Conductor Color Code	Blue / Red
Shielding	Copper spiral shielding
Shielding Factor	100%
Outer Sheath	HFFR Compound
Outer Diameter	3,3 mm Ø
Weight	2,1 kg/100 m

ELECTRICAL DATA

Conductor Resistance	< 86 Ω / km
Shield Resistance	< 36 Ω / km
Insulation Resistance	> 2000 MΩ x km
Velocity of Propagation	78%
Capacitance	core/core 45 pF / m
	core/screen 130 pF / m
Nominal Impedance	1 KHz 110 Ω /100 m
Attenuation	1 MHz 2,2 dB
	3 MHz 3,8 dB
	10 MHz 6,9 dB
Test voltage	core/core 0.5 kVeff
	core/screen 1.0 kVeff

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



TWINAXIAL SPEAKER CABLES REFFLEX



TS 215

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

TS 415

APPLICATION

These Refflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability.

CONSTRUCTION DATA

Core Section	1,50 mm ² (16 AWG)
Stranded Copper Conductor	84 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	2,80 ± 0,05 mm ø PVC
Conductor Color Code	Blue / Red / Yellow / Green
Outer Sheath	sPVC Matt Black

Core Numbers x Section
Outer Diameter
Weight

TS 215

2 x 1,50 mm²
7 ± 0,10 mm ø
7,6 kg/100 m

TS 415

4 x 1,50 mm²
8,50 ± 0,10 mm ø
12,8 kg/100 m

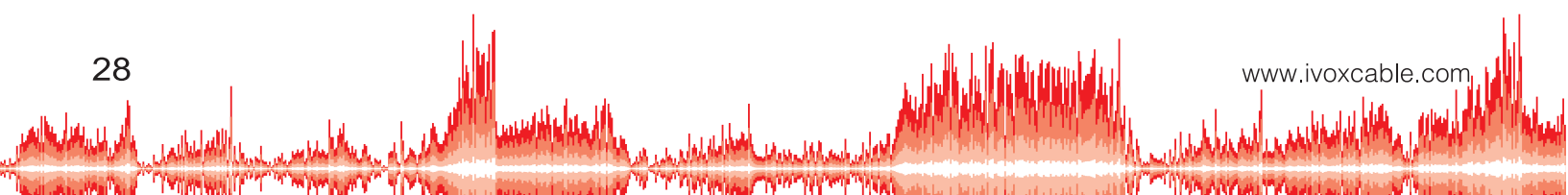
ELECTRICAL DATA

Conductor Resistance	< 12,5 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	150 pF / m
Inductance	0.56 μH / m
Test voltage	2 kV
Max. Operating Voltage	300 V

MECHANICAL DATA

Minimum bending radius	5 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





TWINAXIAL SPEAKER CABLES REFFLEX



TS 225 / TS 425

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

ANALOG

TS 625 / TS 825

APPLICATION

These refflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability.

CONSTRUCTION DATA

Core Section	2,50 mm ² (14 AWG)
Stranded Copper Conductor	140 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	3,20 ± 0,05 mm ø PVC
Conductor Color Code	Blue / Red / Yellow / Green / Black / Pink / Orange / White

	TS 225	TS 425	TS 625	TS 825
Core Numbers x Section:	2 x 2,50 mm ²	4 x 2,50 mm ²	6 x 2,50 mm ²	8 x 2,50 mm ²
Outer Sheath	sPVC Matt Black	sPVC Matt Black	sPVC Matt Black	sPVC Matt Black
Outer Diameter	8,20 ± 0,10 mm ø	9,50 ± 0,10 mm ø	11,60 ± 0,10 mm ø	13 ± 0,10 mm ø
Weight	11,8 kg/100 m	17,8 kg/100 m	27,5 kg/100 m	36 kg/100 m

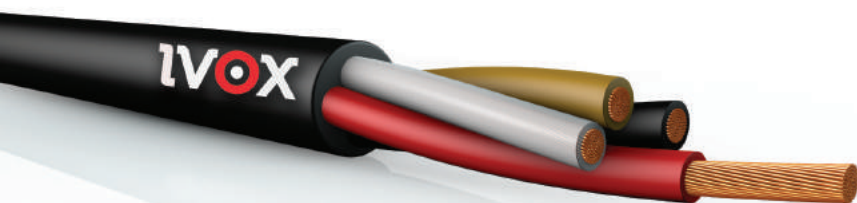
ELECTRICAL DATA

Conductor Resistance	< 7.0 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance core/core	170 pF / m
Inductance	0.53 μH / m
Test voltage	2 kV
Max. Operating Voltage	300 V

MECHANICAL DATA

Minimum bending radius	5 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK



TWINAXIAL SPEAKER CABLES REFFLEX

TS 240 / TS 440

TS 640 / TS 840

APPLICATION

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE



These refflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability.

CONSTRUCTION DATA

Core Section	4 mm ²
Stranded Copper Conductor	224 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	3,90 ± 0,05 mm ø PVC
Conductor Color Code	Blue / Red / Yellow / Green / Black / Pink / Orange / White

Core Numbers x Section

Outer Sheath

Outer Diameter

Weight

TS 240

2 x 4,0 mm²

sPVC Matt Black

9,60 ± 0,10 mm ø

15,8 kg/100 m

TS 440

4 x 4,0 mm²

sPVC Matt Black

11,50 ± 0,10 mm ø

27,7 kg/100 m

TS 640

6 x 4,0 mm²

sPVC Matt Black

14,8 ± 0,10 mm ø

43,5 kg/100 m

TS 840

8 x 4,0 mm²

sPVC Matt Black

18 ± 0,10 mm ø

60 kg/100 m

ELECTRICAL DATA

Conductor Resistance

< 4,45 Ω / km

Insulation Resistance

> 2000 MΩ x km

Capacitance

core/core

180 pF / m

Inductance

0.5 μH / m

Test voltage

2 kV

Max. Operating Voltage

300 V

MECHANICAL DATA

Minimum bending radius

5 x D (D= outer diameter)

Temperature range

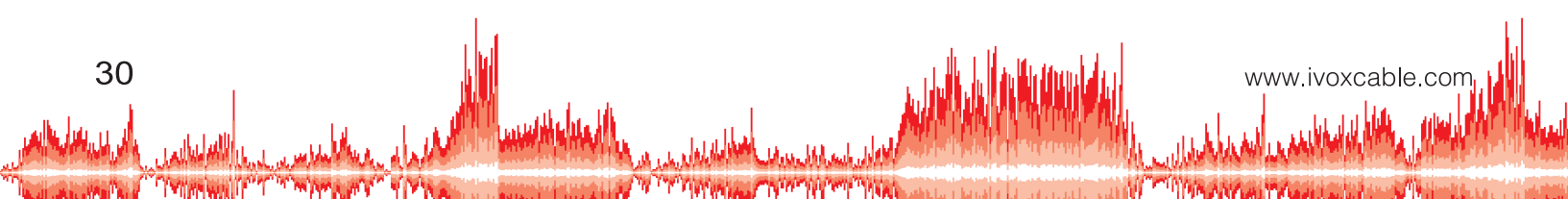
Mobile installation

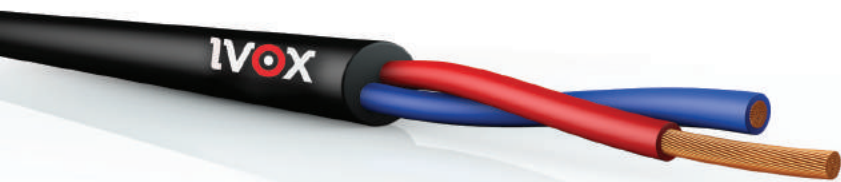
- 5° C to + 70° C

Fixed installation

-30° C to + 70° C

■ BLACK





TWINAXIAL SPEAKER CABLES LSZH REFLEX LSZH

TS 215 LSZH

✓STUDIO ✓INSTALLATION ✓STAGE

TS 415 LSZH



HFFR

OFC

ANALOG

APPLICATION

These Reflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability. Ivox speaker cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Section:	1,50 mm ² (16 AWG)
Stranded Copper Conductor	84 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	2,80 ± 0,05 mm ø Hffr Compound
Conductor Color Code	Blue / Red / Yellow / Green
Outer Sheath	Hffr Compound Black

	TS 215	TS 415
Core Numbers x Section:	2 x 1,50 mm ²	4 x 1,50 mm ²
Outer Diameter	7 ± 0,10 mm ø	8,50 ± 0,10 mm ø
Weight	7,6 kg/100 m	12,8 kg/100 m

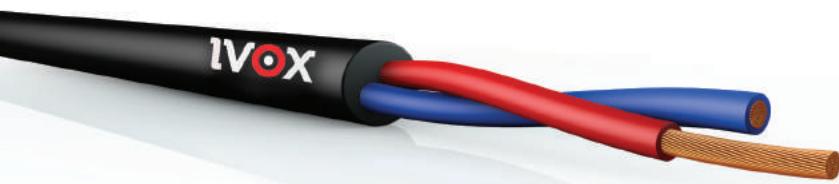
ELECTRICAL DATA

Conductor Resistance	< 12,5 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance core/core	150 pF / m
Inductance	0.56 μH / m
Test voltage	2 kV
Max. Operating Voltage	300 V

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range Fixed installation	-30° C to + 70° C

■ BLACK



TWINAXIAL SPEAKER CABLES LSZH REFLEX LSZH



TS 225 / TS 425 LSZH

✓STUDIO ✓INSTALLATION ✓STAGE

TS 625 / TS 825 LSZH

APPLICATION

These reflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability. Ivox audio cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Section	2,50 mm ² (14 AWG)
Stranded Copper Conductor	140 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	3,20 ± 0,05 mm ø Hffr Compound
Conductor Color Code	Blue / Red / Yellow / Green / Black / Pink / Orange / White

	TS 225	TS 425	TS 625	TS 825
Core Numbers x Section	2 x 2,50 mm ²	4 x 2,50 mm ²	6 x 2,50 mm ²	8 x 2,50 mm ²
Outer Sheath	Hffr Compound,Black	Hffr Compound,Black	Hffr Compound,Black	Hffr Compound,Black
Outer Diameter	8,20 ± 0,10 mm ø	9,50 ± 0,10 mm ø	11,60 ± 0,10 mm ø	13 ± 0,10 mm ø
Weight	11,8 kg/100 m	17,8 kg/100 m	27,5 kg/100 m	36 kg/100 m

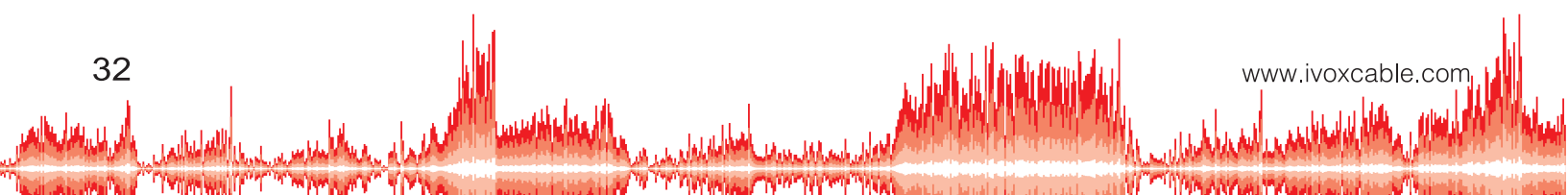
ELECTRICAL DATA

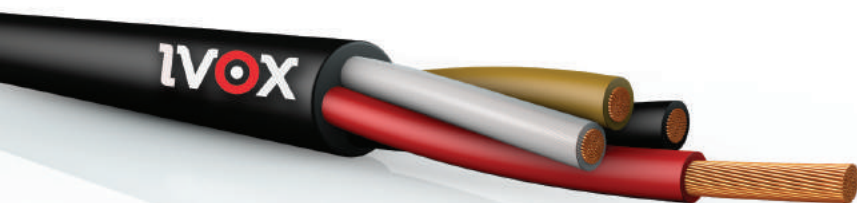
Conductor Resistance	< 7.0 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	170 pF / m
Inductance	0.53 μH / m
Test voltage	2 kV
Max. Operating Voltage	300 V

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK





TWINAXIAL SPEAKER CABLES LSZH REFFLEX LSZH

TS 240 / TS 440 LSZH

✓STUDIO ✓INSTALLATION ✓STAGE



HFFR OFC ANALOG

TS 640 / TS 840 LSZH

APPLICATION

These refflex professional speaker cables are originally designed to deliver maximum performance from state-of-the-art Tri-Amp Systems. Extra-tough jacket and oversized heavy-duty construction for exceptional ruggedness and durability. Ivox audio cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Section	4 mm ²
Stranded Copper Conductor	224 x 0,15 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	
Conductor Color Code	Blue / Red / Yellow / Green / Black / Pink / Orange / White

	TS 240	TS 440	TS 640	TS 840
Core Numbers x Section	2 x 4,0 mm ²	4 x 4,0 mm ²	6 x 4,0 mm ²	8 x 4,0 mm ²
Outer Sheath	HFFR Compound, Black	HFFR Compound, Black	HFFR Compound, Black	HFFR Compound, Black
Outer Diameter	9,50 ± 0,10 mm ø	11,30 ± 0,10 mm ø	14,5 ± 0,10 mm ø	17,5 ± 0,10 mm ø
Weight	15,5 kg/100 m	26,7 kg/100 m	43 kg/100 m	58 kg/100 m

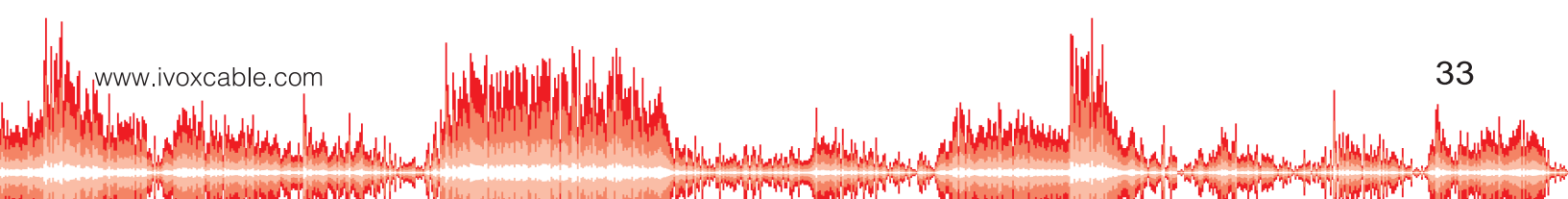
ELECTRICAL DATA

Conductor Resistance	< 4,45 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	180 pF / m
Inductance	0,5 μH / m
Test voltage	2 kV
Max. Operating Voltage	300 V

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Fixed installation	-30° C to + 70° C

■ BLACK





MULTI POWER CABLES - STAGE LIGHTING SUNLINE FLEX



MP 15 SERIES

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

ANALOG

APPLICATION

They are used as multi-channel energy transmission cables for stage applications in professional multi-channel lighting systems. Extra-tough jacket and flexibility that oversized heavy-duty construction for exceptional ruggedness and durability.

CONSTRUCTION DATA

Core Section:	1,50 mm ² (16 AWG)
Stranded Copper Conductor	27 x 0,25mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	2,35 ± 0,05 mm ø PVC
Conductor Color Code	Number printed and with one earth core
Separator	Non-woven tape
Outer Sheath	sPVC Matt Black

	MP 1215	MP 1415	MP 1815	MP 2415
Core Numbers x Section	12 x 1,50 mm ²	14 x 1,50 mm ²	18 x 1,50 mm ²	24 x 1,50 mm ²
Outer Diameter	13 ± 0,10 mm ø	13,6 ± 0,10 mm ø	15,40 ± 0,10 mm ø	18,1 ± 0,10 mm ø
Weight	32 kg/100 m	36 kg/100 m	46 kg/100 m	62 kg/100 m

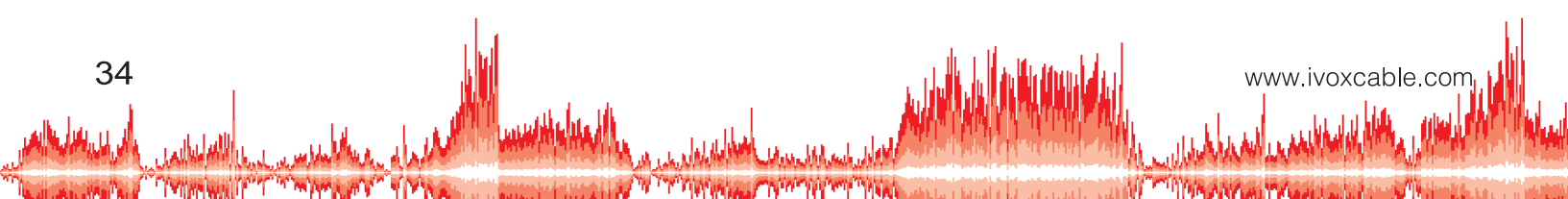
ELECTRICAL DATA

Conductor Resistance	< 12,5 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	150 pF / m
Inductance	0.56 μH / m
Test voltage	4 kV
Max. Operating Voltage	450 V

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





MULTI POWER CABLES - STAGE LIGHTING SUNLINE FLEX



MP 25 SERIES ✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC OFC ANALOG

APPLICATION

They are used as multi-channel energy transmission cables for stage applications in professional multi-channel lighting systems. Extra-tough jacket and flexibility that oversized heavy-duty construction for exceptional ruggedness and durability.

CONSTRUCTION DATA

Core Section	2,50 mm ² (14 AWG)
Stranded Copper Conductor	45 x 0,25 mm ø Stranded Bare Copper (16 AWG)
Conductor Insulation	3 ± 0,05 mm ø PVC
Conductor Color Code	Number printed and with one earth core
Seperator	Non-woven tape
Outer Sheath	sPVC Matt Black

	MP 1225	MP 1425	MP 1825	MP 2415
Core Numbers x Section	12 x 2,50 mm ²	14 x 2,50 mm ²	18 x 2,50 mm ²	24 x 2,50 mm ²
Outer Diameter	16,90 ± 0,10 mm ø	18,3 ± 0,10 mm ø	20,60 ± 0,10 mm ø	24 ± 0,10 mm ø
Weight	54 kg/100 m	62 kg/100 m	79,5 kg/100 m	110 kg/100 m

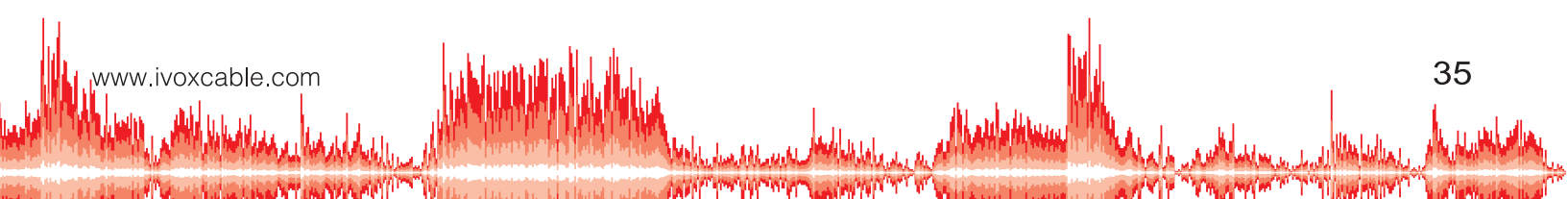
ELECTRICAL DATA

Conductor Resistance	< 7.0 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	170 pF / m
Inductance	0.53 μH / m
Test voltage	4 kV
Max. Operating Voltage	450 V

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





MULTI POWER CABLES - STAGE LIGHTING LSZH SUNLINE FLEX LSZH



MP 25 SERIES LSZH

✓STUDIO ✓INSTALLATION ✓STAGE

APPLICATION

They are used as multi-channel energy transmission cables for stage applications in professional multi-channel lighting systems. Extra-tough jacket and flexibility that oversized heavy-duty construction for exceptional ruggedness and durability. Ivox audio cable products have low smoke density , halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Section	2,50 mm ² (14 AWG)
Stranded Copper Conductor	45 x 0,25 mm ø Stranded Copper (16 AWG)
Conductor Insulation	3 ± 0,05 mm ø Hffr Compound
Conductor Color Code	Number printed and with one earth core
Seperator	Non-woven tape
Outer Sheath	Hffr Compound

	MP 1225	MP 1425	MP 1825	MP 2415
Core Numbers x Section:	12 x 2,50 mm ²	14 x 2,50 mm ²	18 x 2,50 mm ²	24 x 2,50 mm ²
Outer Diameter	16,90 ± 0,10 mm ø	18,3 ± 0,10 mm ø	20,60 ± 0,10 mm ø	24 ± 0,10 mm ø
Weight	56 kg/100 m	65 kg/100 m	84 kg/100 m	116 kg/100 m

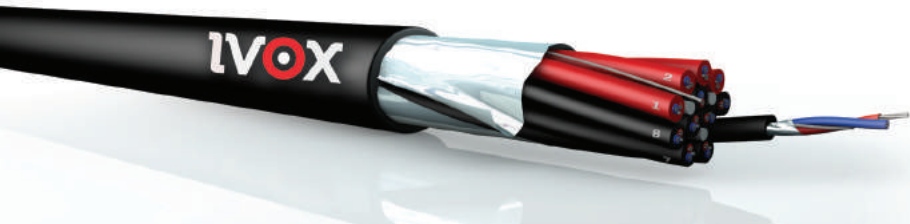
ELECTRICAL DATA

Conductor Resistance	< 7.0 Ω / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	
	core/core
	170 pF / m
Inductance	0.53 μH / m
Test voltage	4 kV
Max. Operating Voltage	450 V
Flame Retardancy	VDE 0482-266-2-4/IEC 60332-3-24 DIN EN 50267/IEC 60754

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



ANALOG AUDIO MULTICORE CABLES BALANCED



HYDRA ✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

APPLICATION

Ivox hydra multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use. Individually twisted foil shielded pairs, available in 4 to 48 channels.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned Copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm ø Tinned copper
Pair Shielding	Al / Pes - Foil
Shielding Factor	100%
Pair Jacket	3,3mm ø Pvc
Overall Shielding	Al / Pes - Foil + 7 x 0,20 Drain wire
Outer Jacket	sPvc Matt ,Black

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Hydra 4	4-ch	4 x 2 x 0,22 mm ²	9,7 mm	10 kg
Hydra 8	8-ch	8 x 2 x 0,22 mm ²	12,5 mm	21 kg
Hydra 12	12-ch	12 x 2 x 0,22 mm ²	15,3 mm	26 kg
Hydra 16	16-ch	16 x 2 x 0,22 mm ²	17 mm	35 kg
Hydra 24	24-ch	24 x 2 x 0,22 mm ²	21 mm	55 kg
Hydra 32	32-ch	32 x 2 x 0,22 mm ²	23,5 mm	66 kg
Hydra 48	48-ch	48 x 2 x 0,22 mm ²	27 mm	98 kg

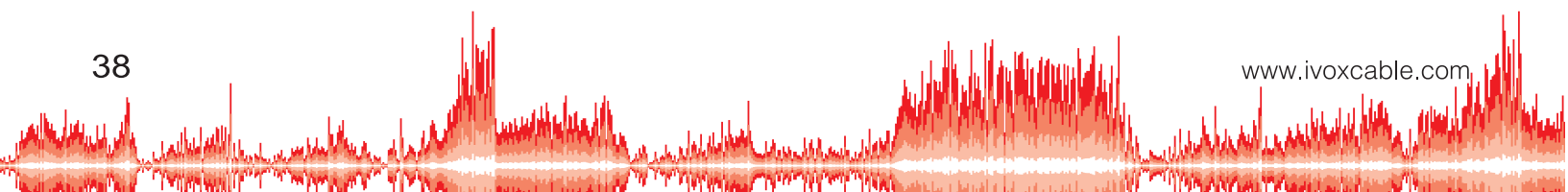
ELECTRICAL DATA

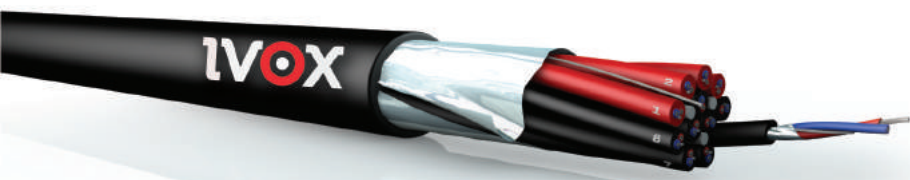
Conductor Resistance	< 80 Ω / km	
Shield Resistance	< 75 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	66%	
Capacitance		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	600 Ω / 100 m

MECHANICAL DATA

Minimum bending radius	5 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





ANOLOG AUDIO MULTICORE LSZH CABLES BALANCED



HYDRA LSZH

✓STUDIO ✓INSTALLATION ✓STAGE

HFFR

OFC

ANALOG

APPLICATION

Ivox hydra multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use. Individually twisted foil shielded pairs, available in 4 to 48 channels. Ivox audio cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned Copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm ø Tinned Copper
Pair Shielding	Al / Pes - Foil
Shielding Factor	100%
Pair Jacket	3,3mm ø HFFR Compound
Overall Shielding	Al / Pes - Foil + 7 x 0,20 Drain wire
Outer Jacket	HFFR Compound

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Hydra 4 Lszh	4-ch	4 x 2 x 0,22 mm ²	10 mm	10 kg
Hydra 8 Lszh	8-ch	8 x 2 x 0,22 mm ²	13 mm	21 kg
Hydra 12 Lszh	12-ch	12 x 2 x 0,22 mm ²	16 mm	26 kg
Hydra 16 Lszh	16-ch	16 x 2 x 0,22 mm ²	17 mm	35 kg
Hydra 24 Lszh	24-ch	24 x 2 x 0,22 mm ²	22 mm	55 kg
Hydra 32 Lszh	32-ch	32 x 2 x 0,22 mm ²	24 mm	66 kg
Hydra 48 Lszh	48-ch	48 x 2 x 0,22 mm ²	28 mm	98 kg

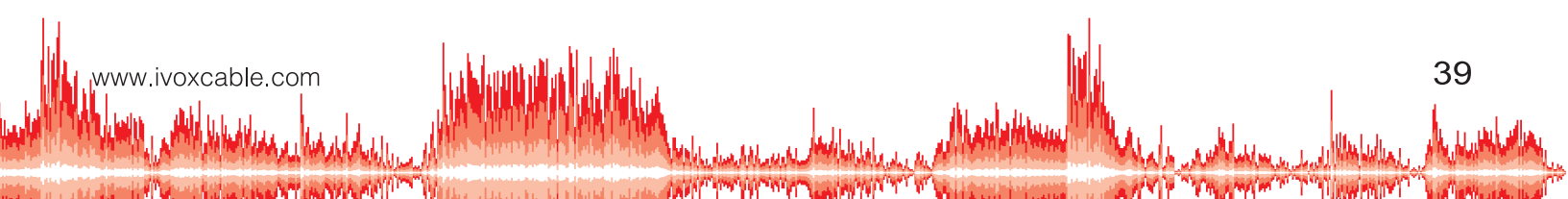
ELECTRICAL DATA

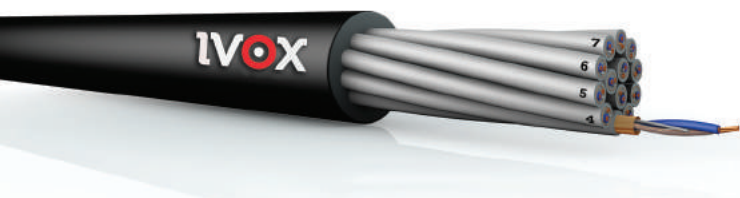
Conductor Resistance	< 80 Ω / km	
Shield Resistance	< 75 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	66%	
Capacitance		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





ANALOG AUDIO MULTICORE CABLES BALANCED



ORION

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

ANALOG

APPLICATION

Ivox orion multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use. The double spiral shielded pure copper for each channel provides 100% screening coverage, providing a perfect protection against both electrostatic and magnetic stray fields. Each signal channel features a symmetrical structure with a shielded pair of conductors for balanced signal transmission.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,20 mm ² (AWG 24)
Stranded Copper Conductor	25 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Pair Jacket	3,3 mm ø Pvc
Outer Jacket	sPvc Matt ,Black

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Orion 4	4-ch	4 x 2 x 0,20 mm ²	11,2 mm ø	15 kg
Orion 8	8-ch	8 x 2 x 0,20 mm ²	14 mm ø	27 kg
Orion 16	16-ch	16 x 2 x 0,20 mm ²	18,5 mm ø	47 kg
Orion 24	24-ch	24 x 2 x 0,20 mm ²	23 mm ø	68 kg
Orion 32	32-ch	32 x 2 x 0,20 mm ²	26 mm ø	86 kg
Orion 48	48-ch	48 x 2 x 0,20 mm ²	29,6 mm ø	123 kg

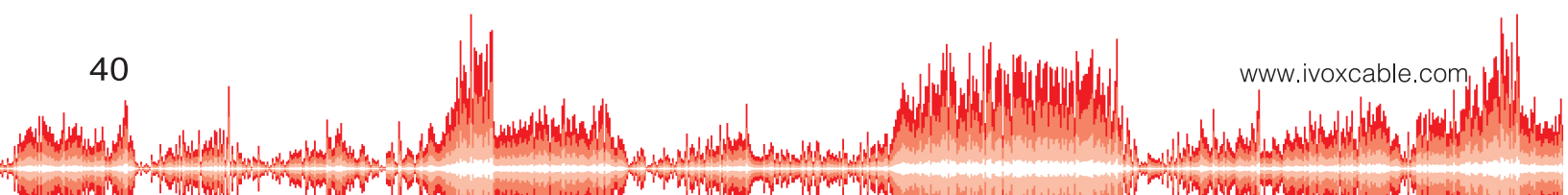
ELECTRICAL DATA

Conductor Resistance	< 90 Ω / km	
Shield Resistance	< 20 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	66%	
Capacitance		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	5 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





ANALOG AUDIO MULTICORE LSZH CABLES BALANCED

ORION LSZH

✓STUDIO ✓INSTALLATION ✓STAGE



APPLICATION

Ivox orion multicore cables are designed for the highest level of audio performance and feature superb electrical and mechanical characteristics while remaining compact, superflexible and easy to use. The double spiral shielded pure copper for each channel provides 100% screening coverage, providing a perfect protection against both electrostatic and magnetic stray fields. Each signal channel features a symmetrical structure with a shielded pair of conductors for balanced signal transmission. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,20 mm ² (AWG 24)
Stranded Copper Conductor	25 x 0,10 mm ø Stranded Bare Copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
1st Shield	Copper spiral shielding
2nd Shield	Copper spiral shielding
Shielding Factor	100%
Pair Jacket	3,3mm ø HFFR Compound
Outer Jacket	HFFR Compound, Black

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Orion 4 Lszh	4-ch	4 x 2 x 0,20 mm ²	11,2 mm ø	14 kg
Orion 8 Lszh	8-ch	8 x 2 x 0,20 mm ²	14 mm ø	26 kg
Orion 16 Lszh	16-ch	16 x 2 x 0,20 mm ²	18,5 mm ø	46 kg
Orion 24 Lszh	24-ch	24 x 2 x 0,20 mm ²	23 mm ø	66 kg
Orion 32 Lszh	32-ch	32 x 2 x 0,20 mm ²	26 mm ø	84 kg
Orion 48 Lszh	48-ch	48 x 2 x 0,20 mm ²	29,6 mm ø	121 kg

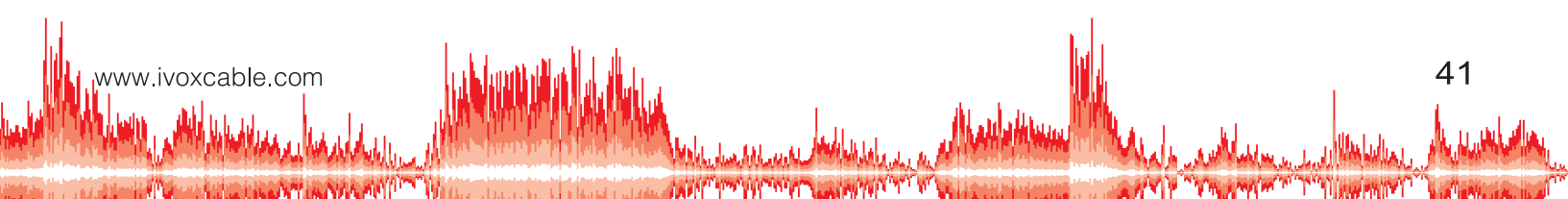
ELECTRICAL DATA

Conductor Resistance	< 90 Ω / km	
Shield Resistance	< 20 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Velocity of Propagation	66%	
Capacitance		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	600 Ω / 100 m

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





AES/EBU MULTICORE



DIGILINE 110 Ω ✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC OFC DIGITAL

APPLICATION

Digiline 110Ω AES/EBU digital audio cables are designed with flexibility and handy configuration. Many variations are available from regular application type up to long distance application types, from single core up to 24-core types, internal wiring type, and interconnect application types.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned Copper
Conductor Insulation	1,40 ± 0,05 mm ø Foam Pe
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm ø Tinned Copper
Pair Shielding	Al / Pes - Foil
Shielding Factor	100%
Pair Jacket	3,2 mm ø Pvc
Overall Shielding	Al / Pes - Foil + 7 x 0,20 Drain wire
Outer Jacket	sPvc Matt ,Purple

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Digiline 4	4-ch	4 x 2 x 0,22 mm ²	9,7 mm	10 kg
Digiline 8	8-ch	8 x 2 x 0,22 mm ²	14 mm	21 kg
Digiline 12	12-ch	12 x 2 x 0,22 mm ²	16 mm	26 kg
Digiline 16	16-ch	16 x 2 x 0,22 mm ²	18 mm	36 kg
Digiline 24	24-ch	24 x 2 x 0,22 mm ²	21 mm	51 kg

ELECTRICAL DATA

Conductor Resistance	< 80 Ω / km
Shield Resistance	< 75 Ω / km
Insulation Resistance	> 2000 MΩ x km

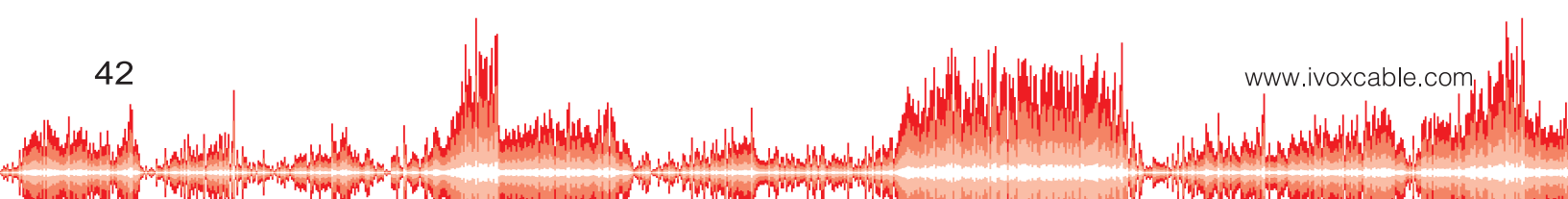
Attenuation (Approx)

0,3 MHz	1,9 db / 100 m
1,0 MHz	4,0 db / 100 m
3,0 MHz	7,8 db / 100 m
10 MHz	11,2 db / 100 m
Capacitance	
core/core	45 pF / m
core/screen	120 pF / m
Nominal Impedance	1 KHz 110±10% Ω /100 m

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

 PURPLE





AES/EBU MULTICORE LSZH

DIGILINE 110 Ω

✓ STUDIO ✓ INSTALLATION ✓ STAGE



HFFR

OFC

DIGITAL

APPLICATION

Digiline 110 Ω AES/EBU digital audio cables are designed with flexibility and handy configuration. Many variations are available from regular application type up to long distance application types, from single core up to 24-core types, internal wiring type, and interconnect application types. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section:	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned Copper
Conductor Insulation	1,40 ± 0,05 mm ø Foam Pe
Conductor Color Code	Blue / Red
Stranded Drain Wire	7 x 0,20 mm ø Tinned Copper
Pair Shielding	Al / Pes - Foil
Shielding Factor	100%
Pair Jacket	3,2 mm ø HFFR Compound
Overall Shielding	Al / Pes - Foil + 7 x 0,20 Drain wire
Outer Jacket	HFFR Compound, Purple

Description	No. of Channels	No. of Conductors	Ov. Dia. (App.mm)	Weight (kg/100m)
Digiline 4	4-ch	4 x 2 x 0,22 mm ²	9,7 mm	10 kg
Digiline 8	8-ch	8 x 2 x 0,22 mm ²	14 mm	21 kg
Digiline 12	12-ch	12 x 2 x 0,22 mm ²	16 mm	26 kg
Digiline 16	16-ch	16 x 2 x 0,22 mm ²	18 mm	36 kg
Digiline 24	24-ch	24 x 2 x 0,22 mm ²	21 mm	51 kg

ELECTRICAL DATA

Conductor Resistance	< 80 Ω / km
Shield Resistance	< 75 Ω / km
Insulation Resistance	> 2000 MΩ x km

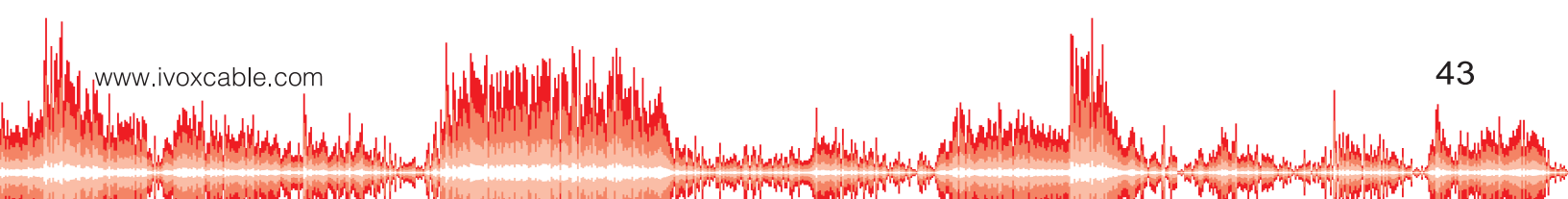
Attenuation (Approx)

0,3 MHz	1,9 db / 100 m
1,0 MHz	4,0 db / 100 m
3,0 MHz	7,8 db / 100 m
10 MHz	11,2 db / 100 m
Capacitance	
core/core	45 pF / m
core/screen	120 pF / m
Nominal Impedance	1 KHz 110±10% Ω / 100 m

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

 PURPLE





ANALOG HYBRID CABLES



AXION 311

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

AXION 321

APPLICATION

The AXION 311 hybrid cable with a 3 x 1,5 mm² / 3 x 2,5 mm² mains power cable combined with one twisted pairs The analog signal pair is shielded by aluminium/polyester foil screen and covered with a black PVC jacket. Also used for analogic audio cabinets when power is supplied.

CONSTRUCTION DATA

Control pair
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Conductor Color Code
Stranded Drain Wire
Shielding
Shielding Factor
Outer Diameter
Power cores
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Outer jacket:
Outer Diameter
Weight

AXION 311

1 Pair
2 x 0,22 mm² (AWG 24)
7 x 0,20 mm ø Tinned Copper
1,20 ± 0,05 mm ø XLPE
Blue / Red
7 x 0,20 mm ø Tinned Copper
Al / Pes - Foil
100%
3,2 mm ø PVC

3 x 1,50 mm² (AWG 15)
27 x 0,25 mm Stranded Bare Copper
2,95 ± 0,05 mm ø PVC
sPvc Matt ,Black
10,5 mm ø
15,6 kg/100 m

AXION 321

1 Pair
2 x 0,22 mm² (AWG 24)
7 x 0,20 mm ø Tinned Copper
1,20 ± 0,05 mm ø XLPE
Blue / Red
7 x 0,20 mm ø Tinned Copper
Al / Pes - Foil
100%
3,2 mm ø PVC

3 x 2,50 mm² (AWG 13)
45 x 0,25 mm Stranded Bare Copper
3,60 ± 0,05 mm ø PVC
sPvc Matt ,Black
11,5 mm ø
18,6 kg/100 m

ELECTRICAL DATA

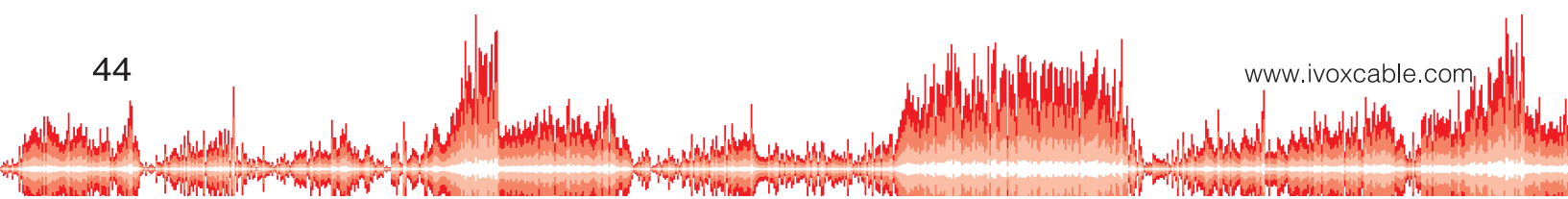
Conductor Resistance Control	< 85 Ω / km	
Power	< 11 Ω / km	
Shield Resistance	< 75 Ω / km	
Insulation Resistance	> 2000 MΩ x km	
Capacitance Control		
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impendance	1 KHz	600 Ω /100 m

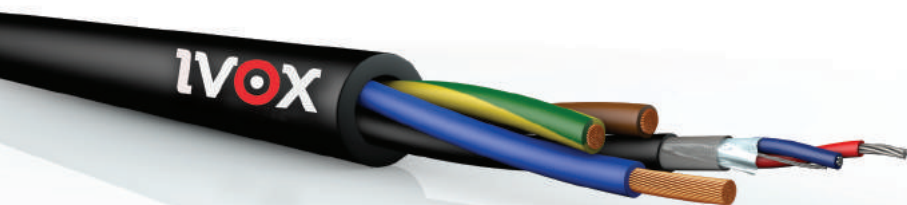
< 85 Ω / km
< 7,1 Ω/ km
< 75 Ω / km
> 2000 MΩ x km
75 pF / m
130 pF / m
600 Ω /100 m

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

■ BLACK





DIGITAL HYBRID CABLES



DMX AXION 311

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

OFC

DIGITAL

DMX AXION 321

APPLICATION

The DMX AXION 311 and 321 hybrid cable with a $3 \times 1,5 \text{ mm}^2 / 3 \times 2,5 \text{ mm}^2$ mains power cable combined with one twisted pairs. The digital DMX signal pair is shielded by aluminium/polyester foil screen and covered with a black sPVC jacket. Also used for digital audio cabinets and lighting control when power connection

CONSTRUCTION DATA

Control pair
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Conductor Color Code
Stranded Drain Wire
Shielding
Shielding Factor
Outer Diameter
Power cores
Core Numbers x Section
Stranded Copper Conductor
Conductor Insulation
Outer jacket:
Outer Diameter
Weight

DMX AXION 311

1 Pair
 $2 \times 0,22 \text{ mm}^2$ (AWG 24)
 $7 \times 0,20 \text{ mm } \varnothing$ Tinned Copper
 $1,40 \pm 0,05 \text{ mm } \varnothing$ Foam-Skin Pe
Blue / Red
 $7 \times 0,20 \text{ mm } \varnothing$ Tinned Copper
Al / Pes - Foil
100%
 $3,5 \text{ mm } \varnothing$ PVC

 $3 \times 1,50 \text{ mm}^2$ (AWG 15)
 $27 \times 0,25 \text{ mm}$ Stranded Bare Copper
 $2,95 \pm 0,05 \text{ mm}$ PVC
sPvc Matt ,Black
 $10,5 \text{ mm } \varnothing$
16 kg/100 m

DMX AXION 321

1 Pair
 $2 \times 0,22 \text{ mm}^2$ (AWG 24)
 $7 \times 0,20 \text{ mm } \varnothing$ Tinned Copper
 $1,40 \pm 0,05 \text{ mm } \varnothing$ Foam-Skin Pe
Blue / Red
 $7 \times 0,20 \text{ mm } \varnothing$ Tinned Copper
Al / Pes - Foil
100%
 $3,2 \text{ mm } \varnothing$ PVC

 $3 \times 2,50 \text{ mm}^2$ (AWG 13)
 $45 \times 0,25 \text{ mm}$ Stranded Bare Copper
 $3,60 \pm 0,05 \text{ mm}$ PVC
sPvc Matt ,Black
 $11,5 \text{ mm } \varnothing$
18,6 kg/100 m

ELECTRICAL DATA

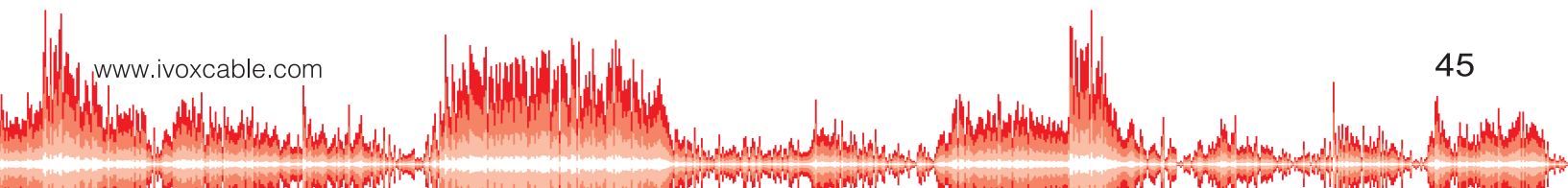
Conductor Resistance Control < $85 \Omega / \text{km}$
Power < $11 \Omega / \text{km}$
Shield Resistance < $75 \Omega / \text{km}$
Insulation Resistance > $2000 \text{ M}\Omega \times \text{km}$
Capacitance Control
core/core 40 pF / m
core/screen 80 pF / m
Nominal Impedance 1 KHz $120 \Omega / 100 \text{ m}$

< $85 \Omega / \text{km}$
< $7,1 \Omega / \text{km}$
< $75 \Omega / \text{km}$
> $2000 \text{ M}\Omega \times \text{km}$
40 pF / m
80 pF / m
 $120 \Omega / 100 \text{ m}$

MECHANICAL DATA

Minimum bending radius 12 x D (D= outer diameter)
Temperature range
Mobile installation - 5° C to $+70^\circ \text{ C}$
Fixed installation - 30° C to $+70^\circ \text{ C}$

■ BLACK





VIDEO CABLES HD-SDI



VD 0.6 / 2.8 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

HD-SDI

ANALOG

DIGITAL

VD 0.8 / 3.7 HD

APPLICATION

Ivox coaxial video cable meets all the requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analogue and digital video signals transmission

CONSTRUCTION DATA

Inner conductor
Insulation
Shielding
Shielding
Outer Jacket
Outer Diameter
Cable Weight

VD 0.6 / 2.8 HD

0,60 mm ø (AWG 23) Bare Copper
2,8 mm ø Gas-injected Foam
Al / Pes Foil % 100
Tinned Copper Braiding % 95
Pvc
4,5 mmø
2,7 Kg/100 m

VD 0.8 / 3.7 HD

0,81 mm ø (AWG 20) Bare Copper
3.7 mm ø Gas-injected Foam
Al / Pes Foil % 100
Tinned Copper Braiding % 95
Pvc
5,9 mmø
4,7 Kg/100 m

ELECTRICAL DATA

DC resistance

Inner conductor

Shield

Mutual capacitance

Velocity of Propagation

Characteristic Impedance

Screening factor

Max. Operating Voltage

< 55 Ω / km

< 17 Ω / km

53 pF/m

78%

75 Ω ± 2

≥ 100 dB

300 V Rms

< 35 Ω / km

< 10 Ω / km

56 pF/m

82%

75 Ω ± 2

≥ 100 dB

300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
VD 0,6 / 2,8 HD (db)	1.2	3.5	5.7	11.0	17.2	24	29.5	32.8	34.5	41.3	48.4	50.0	60.0
VD 0,8 / 3,7 HD (db)	0.9	2.9	4.5	7.9	12.8	18.3	21.0	22.8	25.5	32.0	36.5	39.5	47.5

Transmission Dis.

143Mb/s

177 Mb/s

270 Mb/s (SD)

360 Mb/s

1,5 Gb/s (HD)

3,0Gb/s

VD 0,6 / 2,8 HD (m)

290

280

240

200

80

40

VD 0,8 / 3,7 HD (m)

430

410

330

290

94

66

MECHANICAL DATA

Minimum bending radius

Temperature range

8 x D (D= O.D)

-30° C to + 70° C

Return loss (dB)

Frequency (MHz) (dB)

50 – 300 ≥ 26

300 – 3000 ≥ 22

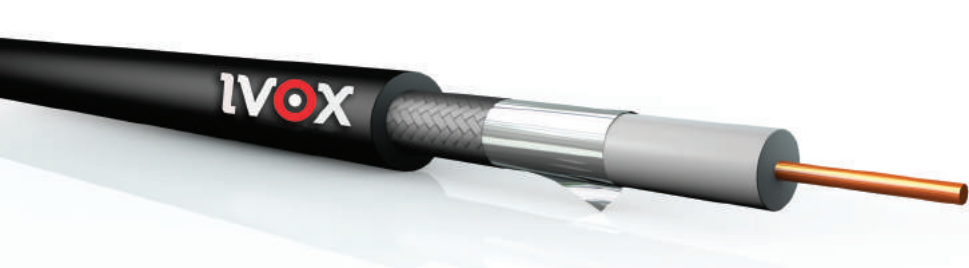
3000 – 3500 ≥ 18

3500 – 5000 ≥ 15

BLACK

BLUE

GREEN



VIDEO CABLES HD-SDI



VD 1.0 / 4.8 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ STAGE

sPVC

HD-SDI

ANALOG

DIGITAL

VD 1.6 / 7.3 HD

APPLICATION

Ivox coaxial video cable meets all the requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analogue and digital video signals transmission

CONSTRUCTION DATA

Inner conductor	1,02 mm ø (AWG 20) Bare Copper	1,63 mm ø (AWG 14) Bare Copper
Insulation	4.8 mm ø Gas-injected Foam	7.11 mm ø Gas-injected Foam
Shielding	Al / Pes Foil % 100	Al / Pes Foil % 100
Shielding	Tinned Copper Braiding % 95	Tinned Copper Braiding % 95
Outer Jacket	Pvc	Pvc
Outer Diameter	7 mmø	10 mmø
Cable Weight	6,8 Kg/100 m	12,5 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 22 Ω / km	< 9,5 Ω / km
Shield	< 7 Ω / km	< 4,5 Ω / km
Mutual capacitance	56 pF / m	56 pF / m
Velocity of Propagation	80%	78%
Characteristic Impedance	75 Ω ± 1	75 Ω ± 1
Screening factor	≥ 100 dB	≥ 100 dB
Max. Operating Voltage	300 V Rms	300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
VD 1,0 / 4,8 HD (db)	0.9	2.2	3.5	6.3	10.7	15.3	17.8	19.2	22.1	26.0	29.8	32.5	38.7
VD 1,6 / 7,3 HD (db)	0.5	1.4	2.5	4.0	6.3	9.5	11.5	12.0	13.4	17.0	20.0	20.9	26.5

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
VD 1,0 / 4,8 HD (m)	450	410	320	270	90	60
VD 1,6 / 7,3 HD (m)	840	750	620	540	168	120

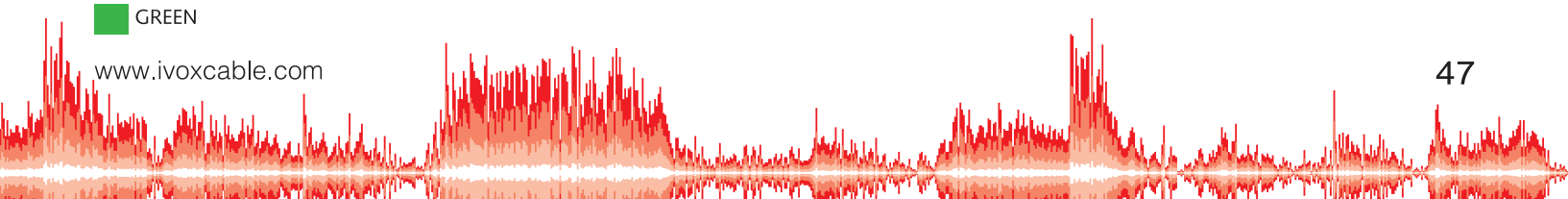
MECHANICAL DATA

Minimum bending radius	8 x D (D= O.D)
Temperature range	-30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
50 – 300	≥ 26
300 – 3000	≥ 22
3000 – 3500	≥ 18
3500 – 5000	≥ 15

- BLACK
- BLUE
- GREEN





VIDEO CABLES HD-SDI



VD 0.6 / 2.8 HD LSZH

✓STUDIO ✓INSTALLATION

HFFR HD-SDI ANALOG DIGITAL

VD 0.8 / 3.7 HD LSZH

APPLICATION

Ivox coaxial video cable meets all the requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analogue and digital video signals transmission

CONSTRUCTION DATA

Inner conductor
Insulation
Shielding
Shielding
Outer Jacket
Outer Diameter
Cable Weight

VD 0.6 / 2.8 HD LSZH

0,60 mm ø (AWG 23) Bare Copper
2,8 mm ø Gas-injected Foam
Al / Pes Foil % 100
Tinned Copper Braiding % 95
HFFR Compound
4,5 mmø
2,7 Kg/100 m

VD 0.8 / 3.7 HD LSZH

0,81 mm ø (AWG 20) Bare Copper
3,7 mm ø Gas-injected Foam
Al / Pes Foil % 100
Tinned Copper Braiding % 95
HFFR Compound
5,9 mmø
4,7 Kg/100 m

ELECTRICAL DATA

DC resistance

Inner conductor

Shield

Mutual capacitance

Velocity of Propagation

Characteristic Impedance

Screening factor

Max. Operating Voltage

< 55 Ω / km

< 17 Ω / km

53 pF / m

78%

75 Ω ± 2

≥ 100 dB

300 V Rms

< 35 Ω / km

< 10 Ω / km

56 pF/m

82%

75 Ω ± 2

≥ 100 dB

300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
VD 0,6 / 2,8 HD (db)	1.2	3.5	5.7	11.0	17.2	24	29.5	32.8	34.5	41.3	48.4	50.0	60.0
VD 0,8 / 3,7 HD (db)	0.9	2.9	4.5	7.9	12.8	18.3	21.0	22.8	25.5	32.0	36.5	39.5	47.5

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
VD 0,6 / 2,8 HD (m)	290	280	240	200	80	40
VD 0,8 / 3,7 HD (m)	430	410	330	290	94	66

MECHANICAL DATA

Minimum bending radius

Temperature range

8 x D (D= O.D)

-30° C to + 70° C

Return loss (dB)

Frequency (MHz) (dB)

50 – 300 ≥ 26

300 – 3000 ≥ 22

3000 – 3500 ≥ 18

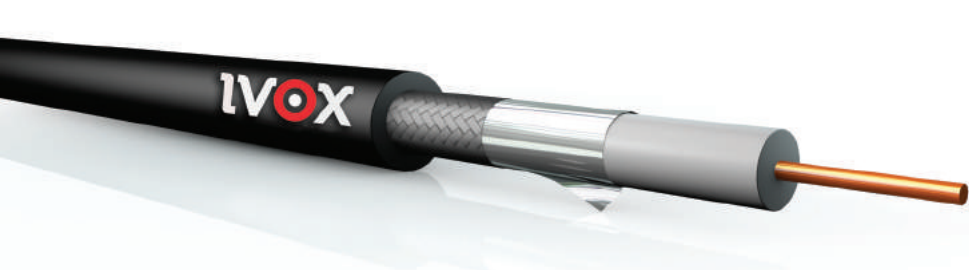
3500 – 5000 ≥ 15

■ BLACK

■ BLUE

■ GREEN

48



VIDEO CABLES HD-SDI



VD 1.0 / 4.8 HD LSZH

✓STUDIO ✓INSTALLATION

HFFR **HD-SDI** **ANALOG** **DIGITAL**

VD 1.6 / 7.3 HD LSZH

APPLICATION

Ivox coaxial video cable meets all the requirements of the Broadcast installations for HDTV and SDI high-definition video in spite of its reduced diameter. The inner conductor insulation is made of a special gas-injected dielectric HDPE which guarantees a very low capacitance value. For analogue and digital video signals transmission These cable products have low smoke density , halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Inner conductor	1,02 mm ø (AWG 20) Bare Copper	1,63 mm ø (AWG 14) Bare Copper
Insulation	4.8 mm ø Gas-injected Foam	7.11 mm ø Gas-injected Foam
Shielding	Al / Pes Foil % 100	Al / Pes Foil % 100
Shielding	Tinned Copper Braiding % 95	Tinned Copper Braiding % 95
Outer Jacket	HFFR Compound	HFFR Compound
Outer Diameter	7 mmø	10 mmø
Cable Weight	6,8 Kg/100 m	12,5 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 22 Ω / km	< 9,5 Ω / km
Shield	< 7 Ω / km	< 4,5 Ω / km
Mutual capacitance	56 pF / m	56 pF / m
Velocity of Propagation	80%	78%
Characteristic Impedance	75 Ω ± 1	75 Ω ± 1
Screening factor	≥ 100 dB	≥ 100 dB
Max. Operating Voltage	300 V Rms	300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
VD 1,0 / 4,8 HD (db)	0.9	2.2	3.5	6.3	10.7	15.3	17.8	19.2	22.1	26.0	29.8	32.5	38.7
VD 1,6 / 7,3 HD (db)	0.5	1.4	2.5	4.0	6.3	9.5	11.5	12.0	13.4	17.0	20.0	20.9	26.5

Transmission Dis.	143Mb/s	177 Mb/s	270 Mb/s (SD)	360 Mb/s	1,5 Gb/s (HD)	3,0Gb/s
VD 1,0 / 4,8 HD (m)	450	410	320	270	90	60
VD 1,6 / 7,3 HD (m)	840	750	620	540	168	120

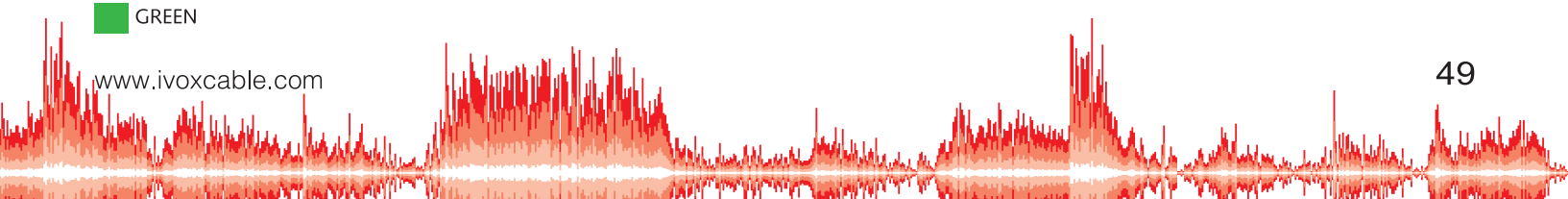
MECHANICAL DATA

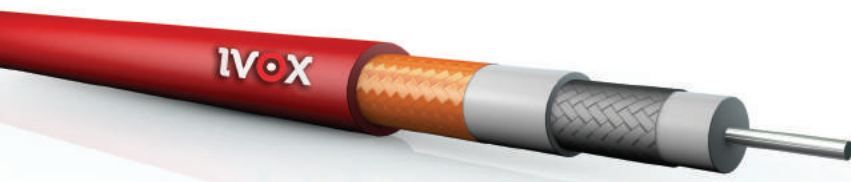
Minimum bending radius 8 x D (D= O.D)
Temperature range -30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
50 – 300	≥ 26
300 – 3000	≥ 22
3000 – 3500	≥ 18
3500 – 5000	≥ 15

- BLACK
- BLUE
- GREEN





TRIAX CAMERA CABLES



TRIAX 8 HD

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

PVC

HD-SDI

ANALOG

DIGITAL

TRIAX 11 HD

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions

CONSTRUCTION DATA

Inner conductor	1,0 mm ø Silvered Cop. Wire
Insulation	4,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm ø Pe Compaund
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	8.4 + 0.2 mm ø
Cable Weight	9,5 Kg/100 m

TRIAX 11 HD

Inner conductor	1,4 mm ø Silvered Cop. Wire
Insulation	6,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	8,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	11.2 + 0.2 mm ø
Cable Weight	14,8 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 25 Ω / km	< 13 Ω / km
Inner screen	< 12 Ω / km	< 10 Ω / km
Outer screen	< 10 Ω / km	< 8 Ω / km
Mutual Capacitance		
800 Hz	54 pF / m	54 pF / m
Velocity of Propagation	82%	82%
Characteristic Impedance	75 ± 1 Ω	75 ± 2 Ω
Screening Factor	≥ 75 dB	≥ 75 dB
Max. DC loop resistance	30 Ω / km	23 Ω / km
Max. Operating voltage	400 V Rms	400 V Rms
Transmission Dis. up to 3G (1080p)	500 mt	700 mt

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX8 (db)	0.6	2.2	3.2	4.6	5.1	5.6	7.5	13.8	21.2
TRIAX11 (db)	0.5	1.6	2.3	3.3	3.8	4.2	5.6	10.4	17.6

MECHANICAL DATA

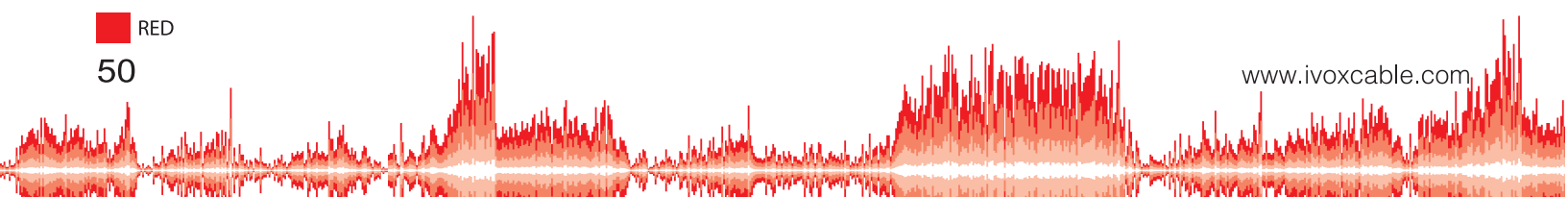
Minimum bending radius 10 x D (D= outer diameter)

Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

RED
50





TRIAX CAMERA CABLES



TRIAX 14 HD

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

PVC HD-SDI ANALOG DIGITAL

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions

CONSTRUCTION DATA

Inner conductor	2,2 mm ø Silvered Copper Wire
Insulation	9.7 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	11,9 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	14.5 + 0.2 mm ø
Cable Weight	24,5 Kg /100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km
Mutual Capacitance	
800 Hz	54 pF / m
Velocity of Propagation	82%
Characteristic Impedance	75 ± 2 Ω
Screening Factor	≥ 75 dB
Max. DC loop resistance	12.1 Ω / km
Max. Operating voltage	600 V Rms
Transmission Dis. up to 3G (1080p)	1000 mt

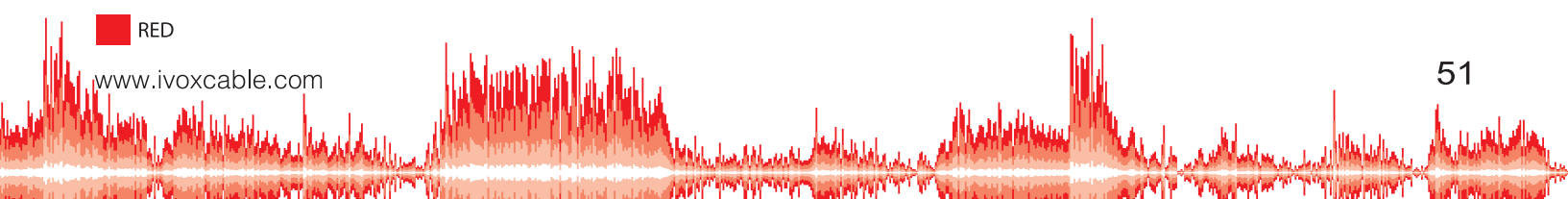
Attenuation (db /100 Mt)

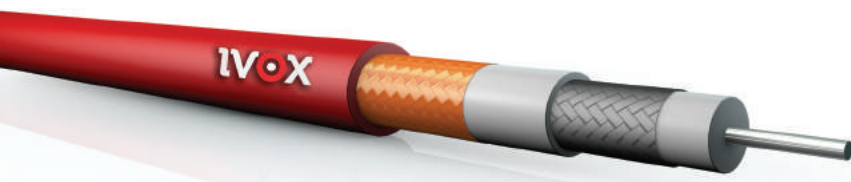
Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX14 (db)	0.4	1.3	1.7	2.5	2.8	3.1	4.2	7.6	14.3

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)	Return loss (dB)
Temperature range		Frequency (MHz) (dB)
Mobile installation	- 5° C to + 70° C	10 – 100 ≥ 26
Fixed installation	-30° C to + 70° C	100 – 300 ≥ 23

■ RED





TRIAX CAMERA CABLES



TRIAX 8 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR

HD-SDI

ANALOG

DIGITAL

TRIAX 11 HD LSZH

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions. These cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

	TRIAX 8 HD LSZH
Inner conductor	1,0 mm ø Silvered Cop. Wire
Insulation	4,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	8.4 + 0.2 mm ø
Cable Weight	9,5 Kg/100 m

TRIAX 11 HD LSZH

Inner conductor	1,4 mm ø Silvered Cop. Wire
Insulation	6,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	8,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	11.2 + 0.2 mm ø
Cable Weight	14,8 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 25 Ω / km	< 13 Ω / km
Inner screen	< 12 Ω / km	< 10 Ω / km
Outer screen	< 10 Ω / km	< 8 Ω / km
Mutual Capacitance		
800 Hz	54 pF / m	54 pF / m
Velocity of Propagation	82%	82%
Characteristic Impedance	75 ± 1 Ω	75 ± 2 Ω
Screening Factor	≥ 75 dB	≥ 75 dB
Max. DC loop resistance	30 Ω / km	23 Ω / km
Max. Operating voltage	400 V Rms	400 V Rms
Transmission Dis. up to 3G (1080p)	500 mt	700 mt

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX8 (db)	0.6	2.2	3.2	4.6	5.1	5.6	7.5	13.8	21.2
TRIAX11 (db)	0.5	1.6	2.3	3.3	3.8	4.2	5.6	10.4	17.6

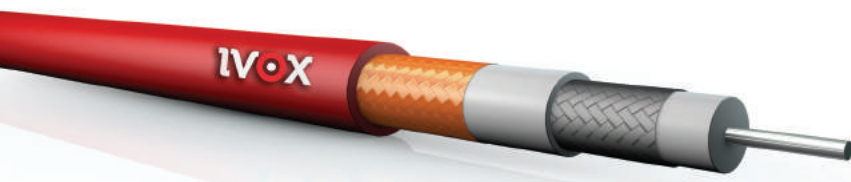
MECHANICAL DATA

Minimum bending radius 10 x D (D= outer diameter)
Temperature range -30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

RED



TRIAX CAMERA CABLES



TRIAX 14 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR HD-SDI ANALOG DIGITAL

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions. These cable products have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Inner conductor	2,2 mm ø Silvered Copper Wire
Insulation	9.7 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	11,9 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	HFFR Compound, Red
Outer Diameter	14.5 + 0.2 mm ø
Cable Weight	24,5 Kg /100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km
Mutual Capacitance	
800 Hz	54 pF / m
Velocity of Propagation	82%
Characteristic Impedance	75 ± 2 Ω
Screening Factor	≥ 75 dB
Max. DC loop resistance	12.1 Ω / km
Max. Operating voltage	600 V Rms
Transmission Dis. up to 3G (1080p)	1000 mt

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX14 (db)	0.4	1.3	1.7	2.5	2.8	3.1	4.2	7.6	14.3

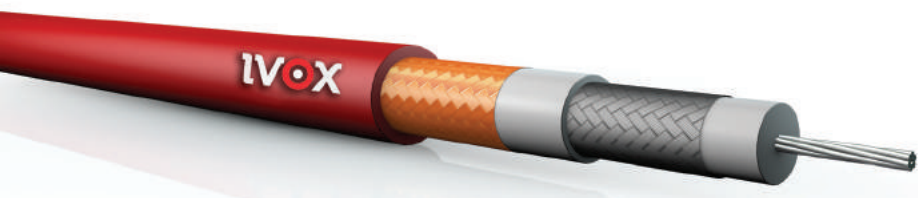
MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

■ RED



TRIFLEX CAMERA CABLES



TRIAx 8 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ CCU INTERCONNECT

PVC

HD-SDI

ANALOG

DIGITAL

TRIAx 11 HD

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and Silvered Stranded Copper. Isolated shields allow the Triflex to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions

CONSTRUCTION DATA

TRIAx 8 HD

Inner conductor	19 x 0.20 mm ø Silvered Stranded Copper Wire
Insulation	4,5 mm ø Gas-injected foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	8.4 + 0.2 mm ø
Cable Weight	9,2 Kg/100 m

TRIAx 11 HD

Inner conductor	19 x 0.287 ø Silvered Stranded Copper Wire
Insulation	6,5 mm ø Gas-injected foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	8,6 mm ø, Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	11.2 + 0.2 mm ø
Cable Weight	14,3 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 25 Ω / km	< 13 Ω / km
Inner screen	< 12 Ω / km	< 10 Ω / km
Outer screen	< 10 Ω / km	< 8 Ω / km
Mutual Capacitance		
800 Hz	54 pF / m	54 pF / m
Velocity of Propagation	82%	82%
Characteristic Impedance	75 ± 1 Ω	75 ± 2 Ω
Screening Factor	≥ 75 dB	≥ 75 dB
Max. DC loop resistance	30 Ω / km	23 Ω / km
Max. Operating voltage	400 V Rms	400 V Rms
Transmission Dis. up to 3G (1080p)	500 mt	700 mt

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAx8 (db)	0.7	2.3	3.4	4.7	5.3	5.7	7.6	13.9	22.1
TRIAx11 (db)	0.5	1.8	2.6	3.9	4.5	4.9	6.6	11.6	18.7

MECHANICAL DATA

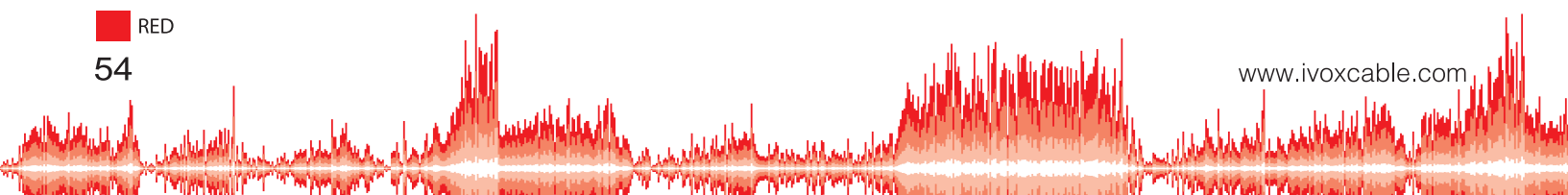
Minimum bending radius 10 x D (D= outer diameter)

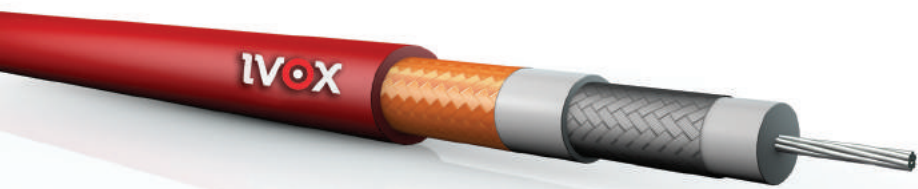
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

RED





TRIFLEX CAMERA CABLES



TRIAX 14 HD

✓ MOBILE ✓ STUDIO ✓ INSTALLATION ✓ CCU INTERCONNECT PVC HD-SDI ANALOG DIGITAL

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and Silvered Stranded Copper. Isolated shields allow the Triflex to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions

CONSTRUCTION DATA

Inner conductor	7 x 0.75 mm ø Silvered Stranded Copper Wire
Insulation	9,7 mm ø Gas-injected foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	11,9 mm ø Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Pvc, Red
Outer Diameter	14,5 + 0.2 mm ø
Cable Weight	24,5 Kg/100 m

TRIAX 14 HD

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km
Mutual Capacitance	
800 Hz	54 pF / m
Velocity of Propagation	82%
Characteristic Impedance	75 ± 1 Ω
Screening Factor	≥ 75 dB
Max. DC loop resistance	12,1 Ω / km
Max. Operating voltage	600 V Rms
Transmission Dis. up to 3G (1080p)	1000 mt

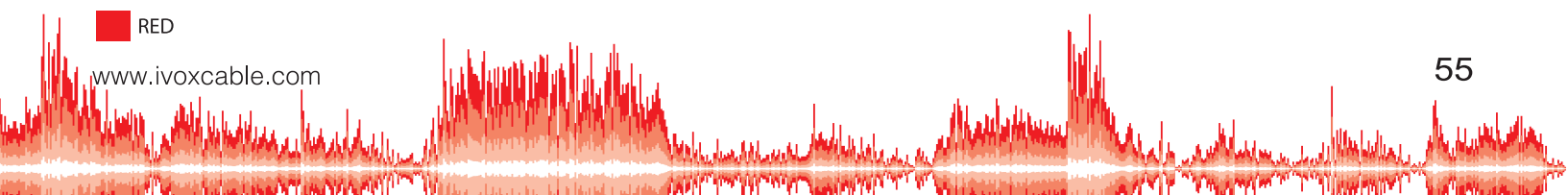
Attenuation (db /100 Mt)

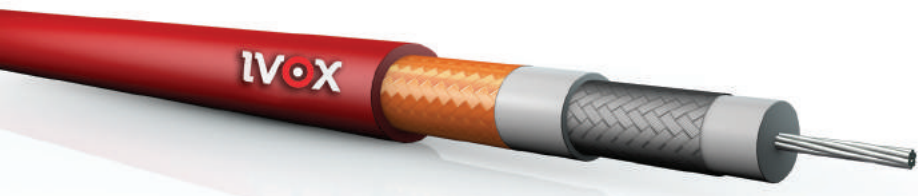
Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX14 (db)	0.5	1.5	1.9	2.6	2.9	3.3	4.4	7.8	14.6

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)	Return loss (dB)	
Temperature range		Frequency (MHz)	(dB)
Mobile installation	- 5° C to + 70° C	10 – 100	≥ 26
Fixed installation	-30° C to + 70° C	100 – 300	≥ 23

RED





TRIFLEX CAMERA CABLES LSZH



TRIFLEX 8 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR HD-SDI ANALOG DIGITAL

TRIFLEX 11 HD LSZH

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and Silvered Stranded Copper. Isolated shields allow the triflex to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions. Ivox triflex cable products have low smoke density, are halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA TRIAX 8 HD

Inner conductor	19 x 0.20 mm ø Silvered Stranded Copper Wire
Insulation	4,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	6,6 mm ø Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Hffr Compound, Red
Outer Diameter	8.4 + 0.2 mm ø
Cable Weight	9,2 Kg/100 m

CONSTRUCTION DATA TRIAX 11 HD

Inner conductor	19 x 0.287 ø Silvered Stranded Copper Wire
Insulation	6,5 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Hffr Compound , Red
Outer Diameter	11.2 + 0.2 mm ø
Cable Weight	14,5 Kg/100 m

ELECTRICAL DATA

DC resistance		
Inner conductor	< 25 Ω / km	<13 Ω / km
Inner screen	< 12 Ω / km	< 10 Ω / km
Outer screen	< 10 Ω / km	< 8 Ω / km
Mutual Capacitance		
800 Hz	54 pF / m	54 pF / m
Velocity of Propagation	82%	82%
Characteristic Impedance	75 ± 1 Ω	75 ± 2 Ω
Screening Factor	≥ 75 dB	≥ 75 dB
Max. DC loop resistance	30 Ω / km	23 Ω / km
Max. Operating voltage	400 V Rms	400 V Rms
Transmission Dis. up to 3G (1080p)	500 mt	700 mt

Attenuation (db /100 Mt)

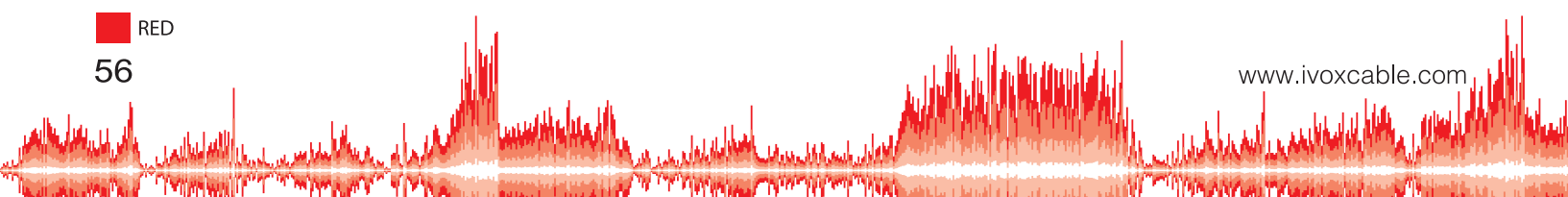
Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAx8 (db)	0.6	2.2	3.2	4.6	5.1	5.6	7.5	13.8	21.2
TRIAx11 (db)	0.5	1.6	2.3	3.3	3.8	4.2	5.6	10.4	17.6

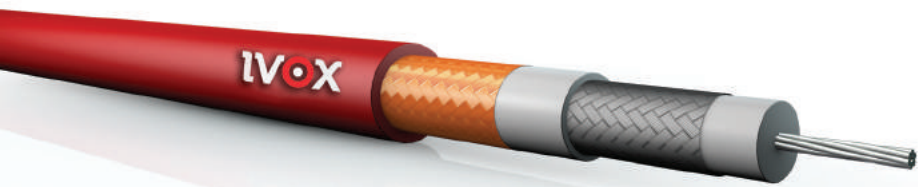
MECHANICAL DATA

Minimum bending radius 10 x D (D= outer diameter)
Temperature range -30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23





TRIFLEX CAMERA CABLES



TRIFLEX 14 HD LSZH

✓STUDIO ✓INSTALLATION ✓CCU INTERCONNECT

HFFR HD-SDI ANALOG DIGITAL

APPLICATION

Triaxial cable is used to interconnect video cameras to related equipment. Triflex cables contain two isolated shields and solid center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques, e.g. DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions. Ivox Triflex cable products have low smoke density, are halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Inner conductor	7 x 0.75 mm ø Silvered Copper Wire
Insulation	9.7 mm ø Gas-injected Foam
1st Shield	Silver Plated Copper Braid
Coverage	85%
Inner Sheath	Pe Compound
2nd Shield	Bare Copper Braid
Coverage	80%
Outer Jacket	Hffr Compound, Red
Outer Diameter	14.5 + 0.2 mm ø
Cable Weight	24,0 Kg/100 m

TRIFLEX 14 HD LSZH

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,5 Ω / km
Inner screen	< 5 Ω / km
Outer screen	< 4 Ω / km
Mutual Capacitance	54 pF/m
800 Hz	82%
Velocity of Propagation	75 ± 2 Ω
Characteristic Impedance	≥ 75 dB
Screening Factor	12.1 Ω/km
Max. DC loop resistance	600 V Rms
Max. Operating voltage	1000 mt
Transmission Dis. up to 3G (1080p)	

Attenuation (db /100 Mt)

Frequency (MHz)	1	10	20	40	50	60	100	300	1000
TRIAX14 (db)	0.4	1.3	1.7	2.5	2.8	3.1	4.2	7.6	14.3

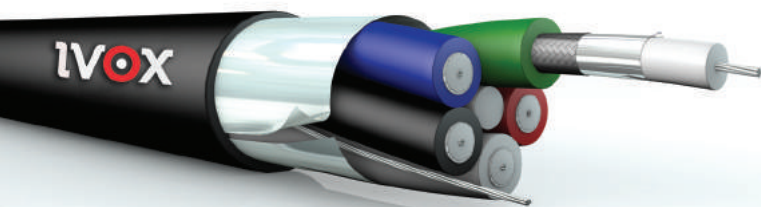
MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

Return loss (dB)

Frequency (MHz)	(dB)
10 – 100	≥ 26
100 – 300	≥ 23

■ RED



RGB MULTIMEDIA CABLES



RGB H/V

✓MOBILE ✓STUDIO ✓INSTALLATION

APPLICATION

Provides a quality solution for the transmission of High and Super High resolution signals. Manufactured for applications requiring the routing of computer-video and RGB signals. RGBHV/HR high resolution cable is specially engineered maintains excellent signal strength

CONSTRUCTION DATA

Core Numbers x Section	5 x 75 Ω video cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	2,1 mm ø Foam Pe
1st Shield	Tinned Copper Spiral Shielding % 100
2nd Shield	Al / Pes Foil % 100
Outer Jacket	Pvc , 1-Red 2-Green 3-Blue 4-White 5-Black
Outer Diameter	4,5 mm ø
Overall shielding	Al / Pes Foil % 100
Drain Wire	7 x 0.25 mm ø Stranded Tinned Copper
Outer Sheath	sPVC Matt
Outer Diameter	10,5 mm ø
Cable Weight	11,8 Kg/100 m

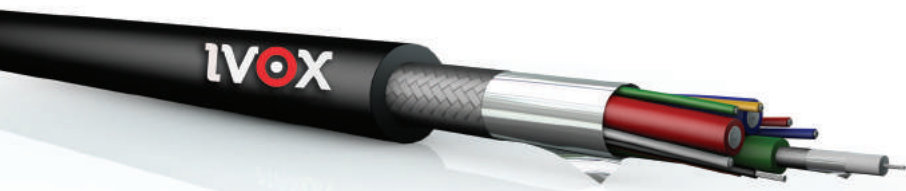
ELECTRICAL DATA

DC resistance	
Inner conductor	< 140 Ω / km
Shield	< 75 Ω / km
Mutual capacitance	56 pF/m
Velocity of Propagation	78%
Characteristic Impedance	75 Ω ± 2
Insulation resistance	> 2000 MΩ x km
Screening factor	≥ 100 dB
Max. Operating Voltage	1000 V Rms
Test voltage	1.5 kV
Return loss (dB) (400-860Mhz)	≥ 22 dB

Attenuation (db /100 Mt)								
Frequency (MHz)	1	5	10	20	30	50	100	300
Attenuation (dB/100m)	2.3	3.8	5.5	7.8	9.3	11.6	15.8	23

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C



RGB MULTIMEDIA CABLES



RGB 3/8

✓ MOBILE ✓ STUDIO ✓ INSTALLATION

sPVC ANALOG DIGITAL

APPLICATION

These cables provide a quality solution for the transmission of High and Super High resolution signals. Manufactured for applications requiring the routing of computer-video and VGA signals. It is the most common type of cable used for construction of 15 pin dsub (VGA/UXGA) cables

CONSTRUCTION DATA

Core Numbers x Section	3 x 75 Ω video cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	2,1 mm ø Foam Pe
Coax 1st Shield	Tinned Copper Spiral Shielding % 100
Coax 2nd Shield	Al /Pes Foil % 100
Coax Jacket	Pvc, 1-Red 2-Green 3-Blue
Core Numbers x Section	8 x 0,14 mm ² Data Cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	1.00 ± 0.02 mm ø Pvc
Overall shielding	Al /Pes Foil % 100
Drain Wire	7 x 0.25 mm ø Stranded Tinned Copper
Braiding	70% Coverage Tinned Copper Braiding
Outer Sheath	sPVC Matt
Outer Diameter	9,1 mm ø
Cable Weight	9,5 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 140 Ω / km
Shield	< 75 Ω / km
Mutual capacitance	56 pF/m
Velocity of Propagation	78%
Characteristic Impedance	75 Ω ± 2
Insulation resistance	> 2000 MΩ x km
Screening factor	≥ 100 dB
Max. Operating Voltage	1000 V Rms
Test voltage	1.5 kV
Return loss (dB) (400-860Mhz)	≥ 22 dB

Attenuation (db /100 Mt)								
Frequency (MHz)	1	5	10	20	30	50	100	300
Attenuation (dB/100m)	2.3	3.8	5.5	7.8	9.3	11.6	15.8	23

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	
Mobile installation	- 5° C to + 70° C
Fixed installation	-30° C to + 70° C



DATA CABLES



CAT 6 U / UTP

✓STUDIO ✓INSTALLATION

PVC HD-SDI ANALOG DIGITAL

APPLICATION

These cables can be used to implement services such as Fast Ethernet, Ethernet, ATM networks, absolutely trouble-free. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction

CONSTRUCTION DATA

Core Numbers x Section	4 x 2 x AWG 23
Stranded Copper Conductor	23 AWG Solid bare copper
Conductor Insulation	1,0 ± 0,05 mm ø PE
Conductor Color Code	Pair 1: Blue/White-Blue
ANSI/TIA/EIA-568 B.2	Pair 2: Orange/White-Orange
	Pair 3: Green/White-Green
	Pair 4: Brown/White/brown
Seperator	Pvc Filler
Outer Sheath	PVC
Outer Diameter	5,6 mm ø
Weight	3,7kg/100m

ELECTRICAL DATA

Conductor Resistance	< 69 ohm / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	800 KHz
Test voltage	62 pF / m
	800 V

	Near-end crosstalk (NEXT) loss	Power sum near-end crosstalk (PSNEXT) loss	Equal-Level far-end crosstalk (ELFEXT)	Power sum equal-Level far-end crosstalk (PSELFEXT)	Return loss	Insertion loss
MHz	dB	dB	dB	dB	dB	dB
1.0	74,3	72,3	67,8	64,8	20	2
4.0	65,3	63,3	55,7	52,7	23	3,8
8.0	60,8	58,8	49,7	46,7	24,5	5,3
10.0	59,3	57,3	47,8	44,8	25	6
16.0	56,3	54,3	43,7	40,7	25	7,6
20.0	54,8	52,8	41,7	38,7	25	8,5
25.0	53,3	51,3	39,8	36,8	24,3	9,5
31.25	51,9	49,9	37,9	34,9	23,6	10,7
62.5	47,4	45,1	31,8	28,8	21,5	15,4
100	44,3	42,3	27,8	24,8	20,1	19,8
155	41,5	39,5	23,9	20,9	18,8	25,1
200	39,8	37,8	21,7	18,7	18	29
250	38,3	36,3	19,8	16,8	17,3	32,8

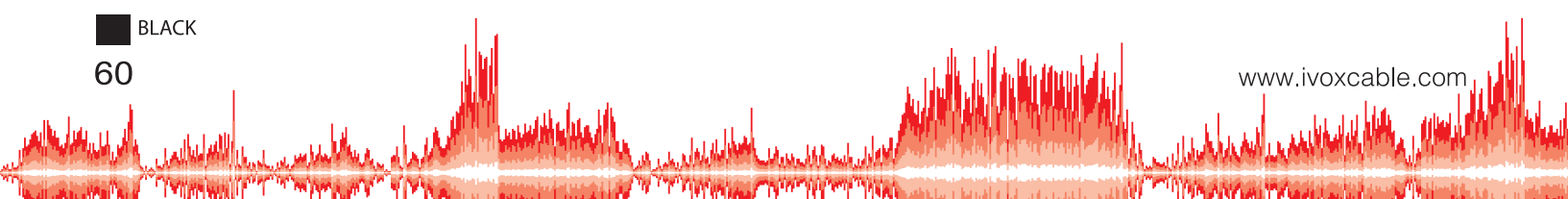
MECHANICAL DATA

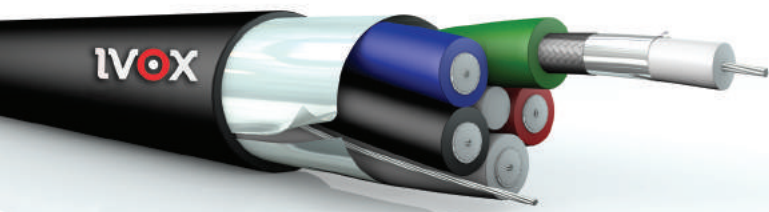
Minimum bending radius	8 x D (D= outer diameter)
Temperature range	- 30° C to + 70° C

■ BLACK

60

www.ivoxcable.com





RGB MULTIMEDIA CABLES



RGB H/V LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

These cables provide a quality solution for the transmission of High and Super High resolution signals. Manufactured for applications requiring the routing of computer-video and RGB signals. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	5 x 75 Ω video cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	2,1 mm ø Foam Pe
1st Shield	Tinned Copper Spiral Shielding % 100
2nd Shield	Al / Pet Foil % 100
Outer Jacket	HFFR Compound ,1-Red 2-Green 3-Blue 4-White 5-Black
Outer Diameter	4,5 mmø
Overall shielding	Al / Pet Foil % 100
Drain Wire	7 x 0.25 mm ø Stranded Tinned Copper
Outer Sheath	HFFR Compound
Outer Diameter	10,5 mm ø
Cable Weight	11,8 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 140 Ω / km
Shield	< 75 Ω / km
Mutual capacitance	56 pF/m
Velocity of Propagation	78%
Characteristic Impedance	75 Ω ± 2
Insulation resistance	> 2000 MΩ x km
Screening factor	≥ 100 dB
Max. Operating Voltage	1000 V Rms
Test voltage	1.5 kV
Return loss (dB) (400-860Mhz)	≥ 22 dB

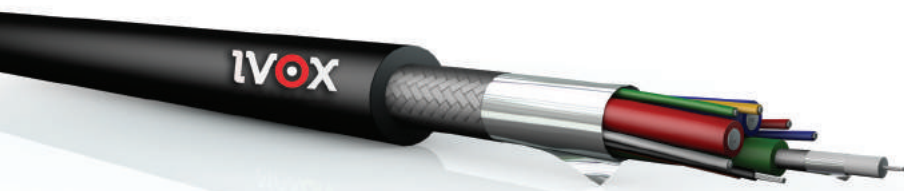
Attenuation (db /100 Mt)

Frequency (MHz)	1	5	10	20	30	50	100	300
Attenuation (dB/100m)	2.3	3.8	5.5	7.8	9.3	11.6	15.8	23

MECHANICAL DATA

Minimum bending radius	15 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK



RGB MULTIMEDIA CABLES



RGB 3/8 LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

These cables provide a quality solution for the transmission of High and Super High resolution signals. Manufactured for applications requiring the routing of computer-video and RGB signals. These types of audio cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	3 x 75 Ω video cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	2,1 mm ø Foam Pe
Coax 1st Shield	Tinned Copper Spiral Shielding % 100
Coax 2nd Shield	Al /Pes Foil % 100
Coax Jacket	HFFR Compound, 1-Red 2-Green 3-Blue
Core Numbers x Section	8 x 0,14 mm ² Data Cable
Inner conductor	7 x 0.16 mm ø (AWG 26) Stranded Tinned Copper
Insulation	1,00 ± 0.02 mm ø Pvc
Overall shielding	Al /Pes Foil % 100
Drain Wire	7 x 0.25 mm ø Stranded Tinned Copper
Braiding	70% Coverage Tinned Copper Braiding
Outer Sheath	HFFR Compound
Outer Diameter	9,1 mm ø
Cable Weight	9,5 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 140 Ω / km
Shield	< 75 Ω / km
Mutual capacitance	56 pF/m
Velocity of Propagation	78%
Characteristic Impedance	75 Ω ± 2
Insulation resistance	> 2000 MΩ x km
Screening factor	≥ 100 dB
Max. Operating Voltage	1000 V Rms
Test voltage	1.5 kV
Return loss (dB) (400-860Mhz)	≥ 22 dB

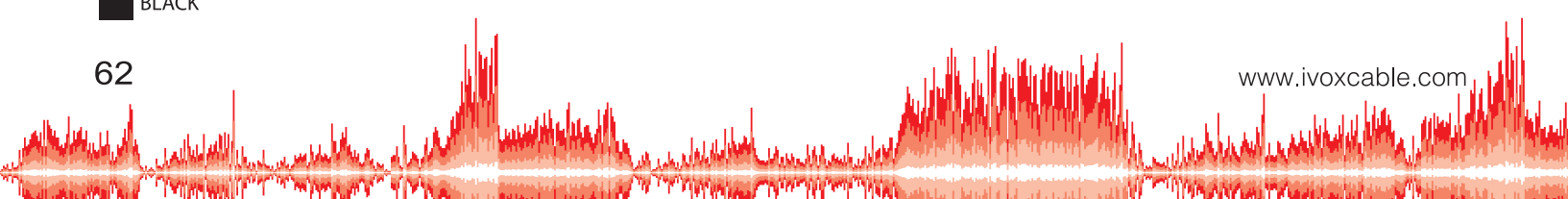
Attenuation (db /100 Mt)

Frequency (MHz)	1	5	10	20	30	50	100	300
Attenuation (dB/100m)	2.3	3.8	5.5	7.8	9.3	11.6	15.8	23

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





DATA CABLES



CAT 6 U / UTP LSZH

✓STUDIO ✓INSTALLATION

APPLICATION

These cables can be used to implement services such as Fast Ethernet, Ethernet, ATM networks, absolutely trouble-free. Likewise, the mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction. These types of data cables have low smoke density, halogen free and they don't emit poisonous gases.

CONSTRUCTION DATA

Core Numbers x Section	4 x 2 x AWG 23
Stranded Copper Conductor	23 AWG Solid bare copper
Conductor Insulation	1,0 ± 0,05 mm ø PE
Conductor Color Code	Pair 1: Blue/White-Blue
ANSI/TIA/EIA-568 B.2	Pair 2: Orange/White-Orange
	Pair 3: Green/White-Green
	Pair 4: Brown/White/brown
Separator	Pvc Filler
Outer Sheath	HFFR Compound
Outer Diameter	5,6 mm ø
Weight	3,7kg/100m

ELECTRICAL DATA

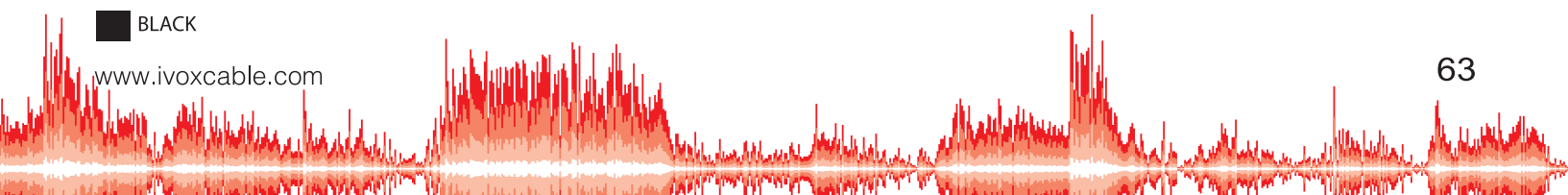
Conductor Resistance	< 69 ohm / km
Insulation Resistance	> 2000 MΩ x km
Capacitance	800 KHz
Test voltage	62 pF / m
	800 V

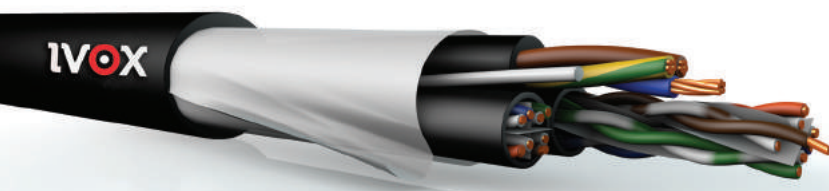
	Near-end crosstalk (NEXT) loss	Power sum near-end crosstalk (PSNEXT) loss	Equal-Level far-end crosstalk (ELFEXT)	Power sum equal-Level far-end crosstalk (PSELFEXT)	Return loss	Insertion loss
MHz	dB	dB	dB	dB	dB	dB
1.0	74,3	72,3	67,8	64,8	20	2
4.0	65,3	63,3	55,7	52,7	23	3,8
8.0	60,8	58,8	49,7	46,7	24,5	5,3
10.0	59,3	57,3	47,8	44,8	25	6
16.0	56,3	54,3	43,7	40,7	25	7,6
20.0	54,8	52,8	41,7	38,7	25	8,5
25.0	53,3	51,3	39,8	36,8	24,3	9,5
31.25	51,9	49,9	37,9	34,9	23,6	10,7
62.5	47,4	45,1	31,8	28,8	21,5	15,4
100	44,3	42,3	27,8	24,8	20,1	19,8
155	41,5	39,5	23,9	20,9	18,8	25,1
200	39,8	37,8	21,7	18,7	18	29
250	38,3	36,3	19,8	16,8	17,3	32,8

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	- 30° C to + 70° C

■ BLACK





HYBRID CABLES

CAT 6 HYBRID

✓STUDIO ✓INSTALLATION



APPLICATION

These hybrid cable with a 3 x 2.5 mm² mains power cable combined with one 23 AWG CAT 6 cable. The digital signal pair is shielded by aluminium/polyester foil screen and covered with a black sPVC jacket. Also used for digital remote all broadcast systems.

CONSTRUCTION DATA

Data pair	2 x Cat 6 23 AWG
Core Numbers x Section	4 x 2 x AWG 23
Stranded Copper Conductor	23 AWG Solid bare copper
Conductor Insulation	1,0 ± 0,05 mm ø PE
Conductor Color Code	Pair 1: Blue/White-Blue
ANSI/TIA/EIA-568 B.2	Pair 2: Orange/White-Orange
	Pair 3: Green/White-Green
	Pair 4: Brown/White-Brown
Separator	Pvc Filler
Outer Sheath	Pvc Compound
Outer Diameter	6,1 mm ø
Power cores	
Core Numbers x Section	3 x 2,50 mm ² (AWG 13)
Stranded Copper Conductor	45 x 0,25 mm Stranded bare copper
Conductor Insulation	3,60 ± 0,05 mm ø PVC
Stranded Drain Wire	7 x 0,20 mm ø Tinned copper
Shielding	Al / Pes - Foil
Shielding Factor	100%
Outer jacket:	sPvc Matt ,Black
Weight	25,6 kg/100 m
Outer Diameter	16,5 mm ø

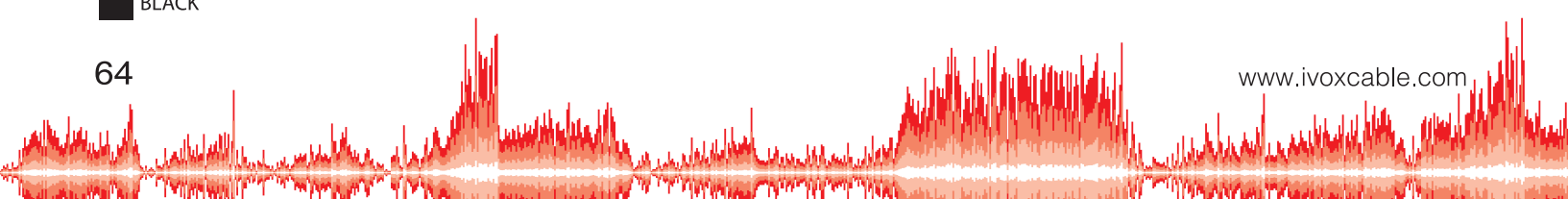
ELECTRICAL DATA

Conductor Resistance	Data	< 69 ohm / km
	Power	< 7,1 Ω / km
Shield Resistance		< 75 Ω / km
Insulation Resistance		> 2000 MΩ x km
Capacitance	Data	
	core/core	75 pF / m
	core/screen	130 pF / m
Nominal Impedance	1 KHz	110 Ω / 100 m

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	- 5° C to + 70° C
Mobile installation	-30° C to + 70° C
Fixed installation	

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HYBRID CABLES



VIDEO + AUDIO + POWER HYBRID

✓STUDIO ✓INSTALLATION

sPVC

OFC

DIGITAL

APPLICATION

Designed specifically for high-definition (HD) cameras, these composite cables can multiplex audio and video signals and power. Ivox hybrid cable can offer the wide range of functionality and the performance required for complex devices and applications without the clutter.

CONSTRUCTION DATA

Video	2 x VD 0.8/3,7 HD
Inner conductor	0,81 mm ø (AWG 20) Bare Copper
Insulation	3.7 mm ø Gas-injected foam
Shielding	Aluminum Foil % 100
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc. 5,9 mm ø
Audio	2 x VP 223 SWAN
Core Numbers x Section:	2 x 0,22 mm ² (AWG 24)
Stranded Copper Conductor	7 x 0,20 mm ø Tinned copper
Conductor Insulation	1,20 ± 0,05 mm ø XLPE
Conductor Color Code	Blue / Red
Shielding	Al / Pes - Foil + Drain wire
Shielding Factor	100%
Outer Jacket	Pvc. 3,0 mm ø
Power cores	
Core Numbers x Section	3 x 2,50 mm ² (AWG 13)
Stranded Copper Conductor	45 x 0,25 mm ø Stranded bare copper
Conductor Insulation	3,60 ± 0,05 mm ø PVC
Outer Jacket	10,5 mm ø
Cable Outer Diameter	26,5 mm ø
Cable Weight	40 kg /100 m
Outer jacket:	sPvc Matt ,Black

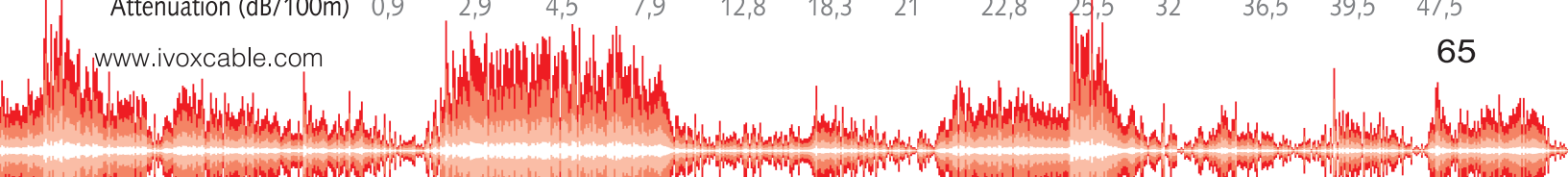
ELECTRICAL DATA

Conductor Resistance	Audio	< 85 Ω / km
	Power	< 7,1 Ω/ km
	Video	< 35 Ω / km
Shield Resistance		< 75 Ω / km
Insulation Resistance		> 2000 MΩ x km
Capacitance	Audio	65 pF / m
	core/core	130 pF / m
	core/screen	
Nominal Impedance	Audio	600 Ω /100 m
Mutual capacitance	Video	56 pF/m
Velocity of Propagation		82%
Characteristic Impedance		75 Ω ± 2
Screening factor		≥ 100 dB
Max. Operating Voltage		300 V Rms
Attenuation (db /100 Mt)		Return loss (dB)

MECHANICAL DATA

Minimum bending radius	12 x D (D= outer diameter)
Temperature range	- 30° C to + 70° C

Attenuation (db /100 Mt)													
Frequency (MHz)	1	10	30	100	270	540	720	800	1000	1500	2000	2250	3000
Attenuation (dB/100m)	0,9	2,9	4,5	7,9	12,8	18,3	21	22,8	25,5	32	36,5	39,5	47,5





50 Ω COAXIAL CABLES

RG 58 C/U

✓STUDIO ✓INSTALLATION



PVC

OFC

ANALOG

APPLICATION

This cable can do it and its versatility is quite remarkable. Our RG-cables are famous for their age resistance and longevity. RG (radio guide)-cables have either one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally designed for the military, guarantees excellent and consistent manufacturing quality and durability. RG-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

CONSTRUCTION DATA

Inner conductor	19 x 0,18 mm ø (AWG 20) Tinned Bare Copper
Insulation	2,95 mm ø Solid PE
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc
Outer Diameter	4,95 mmø
Cable Weight	3,8 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 37 Ω / km
Shield	< 17 Ω / km
Mutual capacitance	100± 2 pF/m
Velocity of Propagation	66%
Characteristic Impedance	50 Ω ± 2
Screening factor	≥ 55 dB
Max. Operating Voltage	300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	10	100	200	400	800	1000
Attenuation (dB/100m)	10.6	15.5	23.2	34.6	52.6	59.5

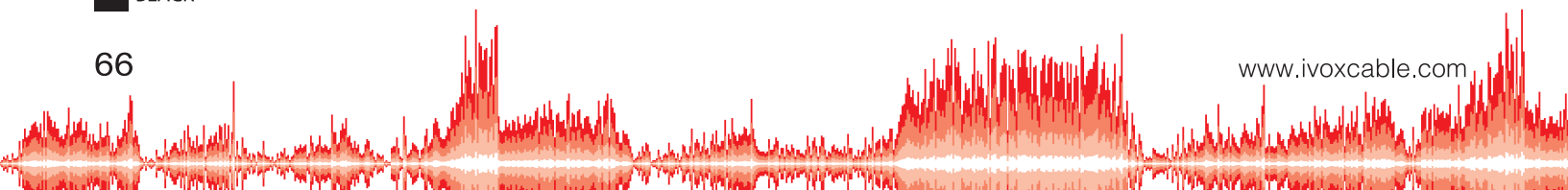
Return loss (dB)

Frequency (MHz)	(dB)
50 – 100	≥ 23
100 – 300	≥ 23
300 – 500	≥ 21
500 – 1000	≥ 21

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

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50 Ω COAXIAL CABLES

RG 213 U

✓STUDIO ✓INSTALLATION



APPLICATION

This cable can do it and its versatility is quite remarkable. Our RG-cables are famous for their age resistance and longevity. RG (radio guide)-cables have either one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally designed for the military, guarantees excellent and consistent manufacturing quality and durability. RG-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

CONSTRUCTION DATA

Inner conductor	7 x 0,75 mm ø (AWG 12) Stranded Bare Copper
Insulation	7,3 mm ø Solid PE
Shielding	Tinned Copper Braiding % 95
Outer Jacket	Pvc
Outer Diameter	10,3 mmø
Cable Weight	16 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,7 Ω / km
Shield	< 10 Ω / km
Mutual capacitance	100± 2 pF/m
Velocity of Propagation	66%
Characteristic Impedance	50 Ω ± 2
Screening factor	≥ 55 dB
Max. Operating Voltage	300 V Rms
Attenuation (db /100 Mt)	

Attenuation (db /100 Mt)						
Frequency (MHz)	10	100	200	400	800	1000
Attenuation (dB/100m)	4,2	6,5	9	14,1	19,8	24,2

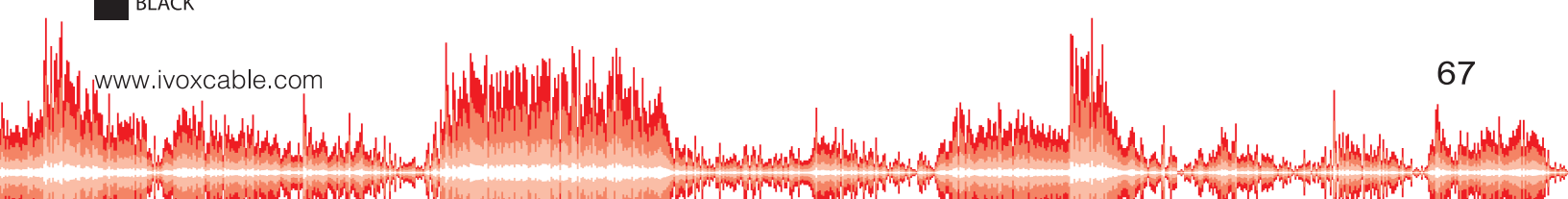
Return loss (dB)

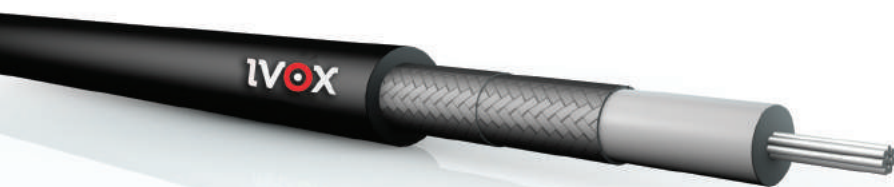
Frequency (MHz)	(dB)
50 – 100	≥ 27
100 – 300	≥ 27
300 – 500	≥ 26
500 – 1000	≥ 25

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





50 Ω COAXIAL CABLES

RG 214 U

✓STUDIO ✓INSTALLATION



PVC

OFC

ANALOG

APPLICATION

This cable can do it and its versatility is quite remarkable. Our RG-cables are famous for their age resistance and longevity. RG (radio guide)-cables have either one or two cross braided shields, designed according to the American MIL-C-17-Norm. This norm, originally designed for the military, guarantees excellent and consistent manufacturing quality and durability. RG-cables are suitable for a vast number of applications in high frequency technology, electronics, and data transmission.

CONSTRUCTION DATA

Inner conductor	7 x 0,75 mm ø (AWG 12) Silvered Stranded Copper Wire
Insulation	7,3 mm ø Solid PE
1st Shield	Silver Plated Copper Braid % 95
2nd Shield	Silver Plated Copper Braid % 95
Outer Jacket	Pvc
Outer Diameter	10,8 mmø
Cable Weight	20 Kg/100 m

ELECTRICAL DATA

DC resistance	
Inner conductor	< 5,7 Ω / km
Shield	< 10 Ω / km
Mutual capacitance	100± 2 pF/m
Velocity of Propagation	66%
Characteristic Impedance	50 Ω ± 2
Screening factor	≥ 55 dB
Max. Operating Voltage	300 V Rms

Attenuation (db /100 Mt)

Frequency (MHz)	10	100	200	400	800	1000
Attenuation (dB/100m)	4,2	6,2	9,8	14	19,6	24

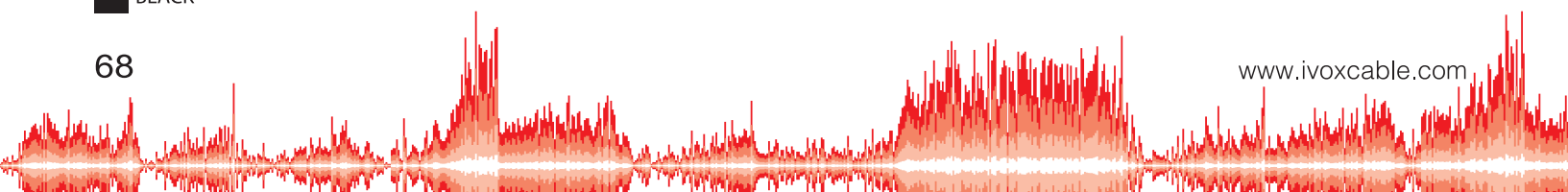
Return loss (dB)

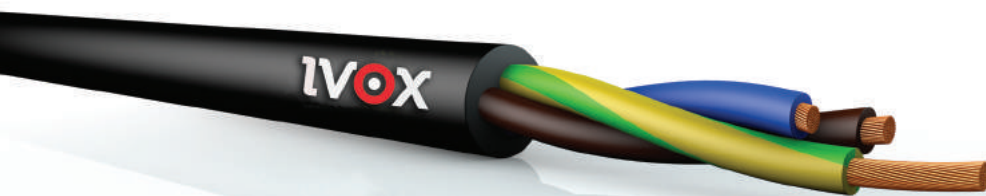
Frequency (MHz)	(dB)
50 – 100	≥ 27
100 – 300	≥ 27
300 – 500	≥ 26
500 – 1000	≥ 25

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C

■ BLACK





POWER CABLES



05VV-F

✓STUDIO ✓INSTALLATION

PVC

OFC

APPLICATION

These cables are not mechanical effects in the building, underground, power centers and industrial facilities used as power and control cables.

CONSTRUCTION DATA

Conductor	Stranded Copper Wire (HD 383 S2 Class 5)
Conductor Insulation	Pvc (HD 21.1 S4/ T12)
Core identification	HD 308 S2
Outer Sheath	Pvc Compound (HD 21.1 S4/ TM 2)

ELECTRICAL DATA

Operating voltage	300/500 V
Test voltage	2 kV
Insulation Resistance	> 2000 MΩ x km

Core Numbers x Section	Outer Diameter	Conductor Resistance	Weight	Current Carrying Capacity
mm ²	mm ²	Ω / km	Kg / Km	A
2 x 0,75	5.9	26	26	6
2 x 1	6.3	19.5	19.5	10
2 x 1,5	7.2	13.3	13.3	16
2 x 2,5	8.9	7.98	7.98	25
3 x 0,75	6.3	26	26	6
3 x 1	6.7	19.5	19.5	10
3 x 1,5	7.8	13.3	13.3	16
3 x 2,5	9.6	7.98	7.98	25
4 x 0,75	6.8	26	26	6
4 x 1	7.4	19.5	19.5	10
4 x 1,5	8.7	13.3	13.3	16
4 x 2,5	10.5	7.98	7.98	25

MECHANICAL DATA

Minimum bending radius	8 x D (D= outer diameter)
Temperature range	-30° C to + 70° C
Short-circuit temperature Max.	160°C
Flame retardant	IEC 60332-1-2

■ BLACK



POWER CABLES



052XZ1-F

✓STUDIO ✓INSTALLATION

PVC

OFC

APPLICATION

These cables are not mechanical effects in the building, underground, power centers and industrial facilities used as power and control cables. The halogen free insulation materials produces neither corrosive non toxic gaser

CONSTRUCTION DATA

Conductor	Stranded Copper Wire (HD 383 S2 Class 5)
Conductor Insulation	XLP Compound (EN 50290-2-29
Core identification	HD 308 S2
Outer Sheath	Hffr Compound (EN 50290-2-27)

ELECTRICAL DATA

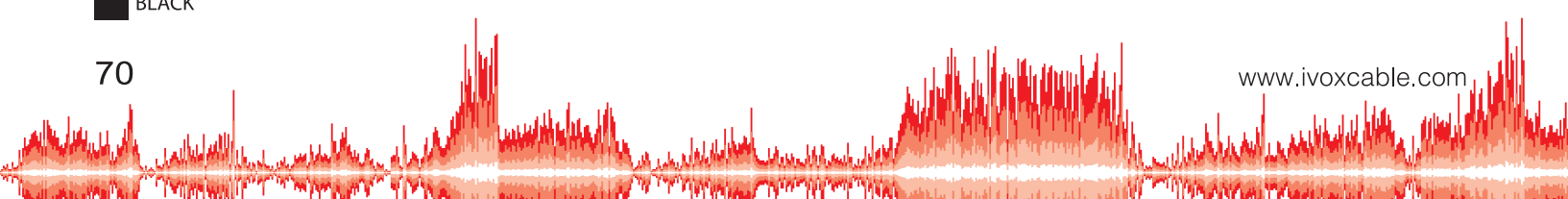
Operating voltage	300/500 V
Test voltage	2 kV
Insulation Resistance	> 2000 MΩ x km

Core Numbers x Section	Outer Diameter	Conductor Resistance	Weight	Current Carrying Capacity
mm ²	mm ²	Ω / km	Kg / Km	A
2 x 1,5	8.9	13.3	117	22
2 x 2,5	9.8	7.98	150	30
2 x 4	10.0	4,95	171	40
3 x 1,5	9.3	13.3	131	22
3 x 2,5	10.3	7.98	173	30
3 x 4	11.7	4,95	140	40
4 x 1,5	10.0	13.3	152	18.5
4 x 2,5	11.3	7.98	203	25
4 x 4	12.1	4,95	260	34
5 x 1,5	10.1	13.3	145	18.5
5 x 2,5	10.9	7.98	200	25
5 x 4	13.3	4,95	308	34

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-30° C to + 70° C
Short-circuit temperature Max.	160°C
Flame retardant	IEC 60332-1-2
Low smoke density	IEC 61034-1
Halogen-free	IEC 60754-1-2

■ BLACK





POWER CABLES



SIMH

✓STUDIO ✓INSTALLATION

PVC

OFC

APPLICATION

These cables are designed for connections of exposed to extreme temperature changes. Often used in iron and steel manufacturing industry, aerospace industry, shipbuilding industry, lighting fixtures, ceramic, glass and cement factories.

CONSTRUCTION DATA

Conductor	Stranded Copper Wire (HD 383 S2 Class 5)
Conductor Insulation	Silicone compound (HD 22.1 S4 / EI2)
Core identification	Color coded (DIN VDE 0293-308)
Outer Sheath	Silicone compound (HD 22.1 S4 / EM9)

ELECTRICAL DATA

Operating voltage	300/500 V
Test voltage	2kV
Insulation Resistance	> 2000 MΩ x km

Core Numbers x Section	Outer Diameter	Conductor Resistance	Weight	Current Carrying Capacity
mm ²	mm ²	Ω / km	Kg / Km	A
2 x 1,5	7.4	13.3	82	22
2 x 2,5	9.2	7.98	115	30
2 x 4	10.8	4,95	176	40
3 x 1,5	8.0	13.3	94	22
3 x 2,5	9.8	7.98	145	30
3 x 4	11.3	4,95	220	40
4 x 1,5	8.5	13.3	123	18.5
4 x 2,5	10.6	7.98	178	25
4 x 4	13.0	4,95	300	34
5 x 1,5	9.4	13.3	155	18.5
5 x 2,5	11.6	7.98	227	25
5 x 4	14.2	4,95	370	34

MECHANICAL DATA

Minimum bending radius	10 x D (D= outer diameter)
Temperature range	-60° C to + 180° C
Short-circuit temperature Max.	350°C
Flame retardant	IEC 60332-1-2
Low smoke density	IEC 61034-1
Halogen-free	IEC 60754-1-2

■ RED BROWN

■ BLACK

