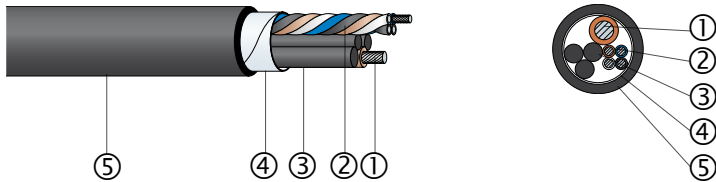


Hybrid cables

2 x 2 x 0.25 mm² + 1 KO MA14 / REMS FH BK (example out of our product range)



- customised solutions
- physical and chemical characteristics according to specifications
- power and data transmission
- installation of one cable only
- small dimensions
- low weight
- multifunctional

Application

Control cable, CCTV for example in tunnels, buildings, airports

Composition of cable

① coaxial cable 75Ω	type RG_179-B/U	
Inner conductor	steel, copper and silver plated	Dia: 0.30 mm
Insulation	PTFE	Dia: 1.53 mm
Screening	silver plated copper braid	Dia: 2.00 mm
Sheath	FEP, colour: brown	Dia: 2.54 mm
② 2 pairs of 2 x 0.25 mm ²	type Multi A-14 A2-0.25	
Conductor	tin plated copper	Dia: 19 x 0.12 mm
Dual wall	high tech polymer	Dia: 1.02 mm
Colours	blue/brown, black/grey	Dia: 2.04 mm
③ 3 x fillers	RADOX®	
④ Separator	plastic tape	
⑤ Sheath	RADOX® elastomer S FH	
Colour	black	Dia: 7.1 ± 0.3 mm

Technical data

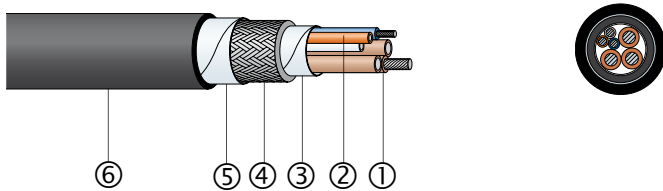
Conductor resistance at 20 °C	<86.0 Ω/km
Voltage rating	600 V AC
Test voltage	2500 V
Max. conductor temperature	+120 °C
Min. operating temperature	-25 °C
Min. bending radius	10 x cable-dia.

Coaxial cable RG_179-B/U:

Impedance	75 Ω
Capacitance	63 pF/m
Velocity of signal propagation	69 % of the speed of light
Attenuation at 20 °C (typ. value)	f = 1 MHz 3.0 dB/100 m
	f = 10 MHz 9.5 dB/100 m
	f = 100 MHz 30 dB/100 m

Hybrid cables

3 x 24 AWG + 3 x KO 2253D-02 (example out of our product range)



- customised solutions
- physical and chemical characteristics according to specifications
- power and data transmission
- installation of one cable only
- small dimensions
- low weight
- multifunctional

Application

Control cable, CCTV for example in tunnels, buildings, airports

Composition of cable

① 3 coaxial cables 75 Ω	type K 02253 D-02	
Inner conductor	steel, copper and silver plated	Dia: 0.30 mm
Insulation	PTFE	Dia: 1.53 mm
Screening 1	silver plated copper braid	Dia: 2.00 mm
Screening 2	silver plated copper braid	Dia: 2.50 mm
Sheath	FEP, colour: brown	Dia: 3.00 mm
② 3 cores 24 AWG	type 22759-32A1-24	
Conductor	tin plated copper	Dia: 19 x 0.13 mm
Insulation	XETFE	Dia: 0.94 mm
Colours	white, blue, orange	
③ Separator	plastic tape	
④ EMV screening	tin plated copper braid	Dia: 7.3 mm
⑤ Separator	plastic tape	
⑥ Sheath	RADOX® elastomer S	
Colour	black	Dia: 9.3 ± 0.3 mm

Technical data

Conductor resistance at 20 °C		<90.5 Ω/km
Voltage rating		600 V
Test voltage		1500 V
Transfer impedance	f ≤ 30 MHz	80 mΩ/m
Temperature range	(cores)	-50 up to +150 °C
Temperature range	(sheath)	-40 up to +150 °C

Coaxial cable K 02253D-02:

Impedance		75 Ω
Capacitance		63 pF/m
Velocity of signal propagation		69 % of the speed of light
Attenuation at 20 °C (typ. value)	f = 1 MHz	30 dB/100 m
	f = 10 MHz	9.5 dB/100 m
	f = 100 MHz	30 dB/100 m
Temperature range		-40 up to +150 °C