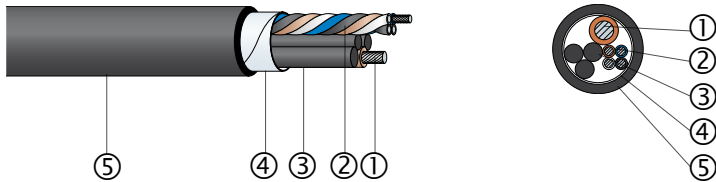


Hybrid cables

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

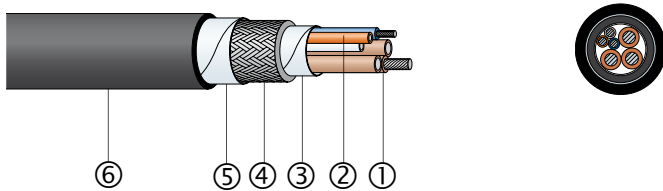
| | |
|-------------------------------|-----------------|
| Conductor resistance at 20 °C | <86.0 Ω/km |
| Voltage rating | 600 V AC |
| Test voltage | 2500 V |
| Max. conductor temperature | +120 °C |
| Min. operating temperature | -25 °C |
| Min. bending radius | 10 x cable-dia. |

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 |