



**SAMCON SKA03-T**  
 sectional view

# SAMCON® SKA03-T

The cable **SKA03-T** is a system cable for analog camera systems and was particularly developed to be used in hazardous areas. It meets the requirements for cables and wires according to DIN EN 60079-14. When using the applicable cable gland, it is possible to insert the cable directly into flameproof enclosures.

## Data.



### Labeling:

WWW.SAMCON.EU - SKA03-T + Art.-Nr. KS-0001004356 / Koax 75OHM + 4x2x0,25mm<sup>2</sup>+8x0,25mm<sup>2</sup> + 3x0,75mm<sup>2</sup>+2x1,50mm<sup>2</sup>



### Mechanical characteristics and outside dimensions:

Outer diameter:	11.8 ± 0.2 mm
Maximum bending radius:	150 mm
Insulation resistance:	> 200 Ohm x km
Test voltage spark test:	2.5 kV
Test voltage A/C:	0.8 kV
Temperature range moved/fixed:	-40°C to +90°C / -60°C to +90°C
Dielectric strength:	5 kV
Material outer sheath:	Polyether - PUR according to DIN VDE 0207 part 10, halogen free, microbe and hydrolysis resistant, oil resistant according t VDE 0472 part 803, flame retardant according to IEC 60332-1-2 (1kW flame), mud resistant, oil resistant (T <sub>oil max</sub> = 100° C, IRM2, test duration: 7 days)

Color outer sheath:

RAL 9005 matt



### Video signal cable:

Conductor coax:	E-Cu wire 19x0.127 mm galvanized.; Cu EPT1 according to DIN 13602
Wire insulation:	Polyolefin according to DIN VDE 0207 (Ø 3.80 ± 0.10 mm)
Shield:	Plated copper braid galvanized, 90% density
Sheath material:	TPE (Ø 5.0 mm)
Impedance:	75 Ohm
Capacitance:	58 pF/m



### Control signal cable (RS232, RS422, RS485):

Type:	TP 2x2x0.25 mm <sup>2</sup> closed Cu shielded
Per conductor:	Cu wire blank 19 x 0.127 mm; Cu EPT1 according to DIN 13602
Colors:	BN, YE; OG, GN
Wire insulation:	Polyolefin according to DIN VDE 0207
Sheath:	PES foil, 2-fold

### Binary control signals:

Type:	Single wire 8x0.25 mm <sup>2</sup>
Per conductor:	Cu wire blank 19x0.127 mm; Cu EPT1 according to DIN 13602
Colors:	WH, RD, BU, BK, TQ, VT, GY, dark BU
Wire insulation:	Polyolefin according to DIN VDE 0207



### Power elements (2 x 1.5 mm<sup>2</sup>):

Type:	Single wire 2x1.5 mm <sup>2</sup>
Per conductor:	Cu wire blank 84x0.15 mm; Cu EPT1 according to DIN 13602
Colors:	GY, BU
Wire insulation:	Polyolefine according to DIN VDE 0207

### Power elements (3 x 0.75 mm<sup>2</sup>):

Type:	Single wire 2x1.5 mm <sup>2</sup>
Per conductor:	Cu wire blank 42x0.15 mm; Cu EPT1 according to DIN 13602
Colors:	RD, BK, YE/GN
Wire insulation:	Polyolefin according to DIN VDE 0207