

SAMCON ASKA03
sectional view

SAMCON[®] ASKA03

The **ASKA03** is a system cable for analogue camera systems.
(Armirtes System Kabel Analog 03)

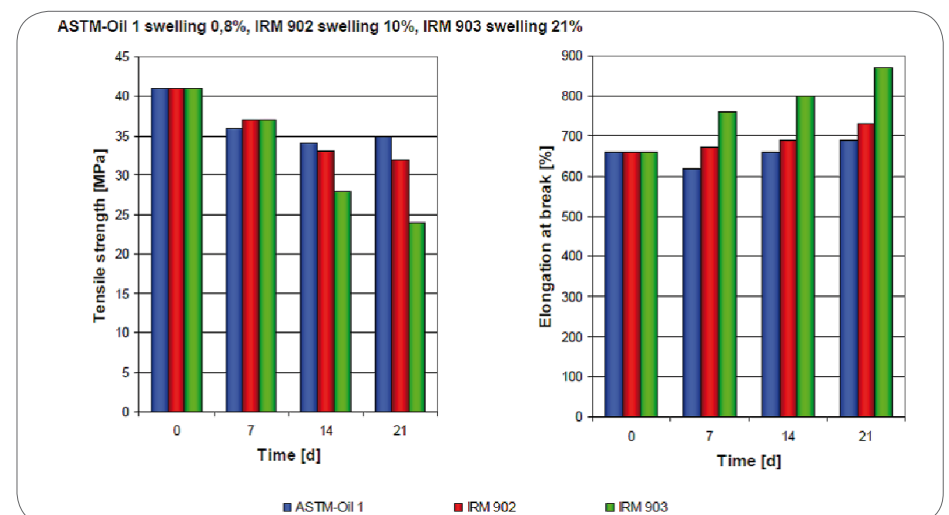
The **ASKA03** was developed to be used in hazardous areas, especially in offshore environments. It meets the requirements for cables and wires according to DIN EN 60079-14. The cable can be inserted directly into flameproof enclosures.

All used **ASKA03** materials (PUR) are successfully used in offshore industries since several years. (e.g. oil platforms, oil tankers, drilling rigs, etc.)

Data.

Mechanical characteristics - outer sheath (1):

Outer diameter:	ca. 14,5mm +0,40mm
Maximum bending radius:	220mm
Outer sheath material:	PUR - Flame retardant according to IEC 60322-1-2 1KW flame, MUD resistant
Mineral Oil Type IRM 903 100°C 7 d & Mineral Oil Type IRM 902 100°C 7 d:	Tensile strength: maximum variations from unaged samples <10% Elongation at break: maximum variations from unaged samples <10% Volume swell at break: maximum variations from unaged samples <30% Change in weight: maximum variations from unaged samples <30%
UV Resistance:	Yes, according to VDE 0472/Teil 805.
Ozone resistance:	Yes, according to VDE 0472/Teil 805.
Halogen-free:	Yes, according to IEC 60754-2
Low smoke development :	Yes, according to FT 2
Flame resistant:	Yes, according to IEC 60322-1-2 1KW flame,
Seawater resistance:	Yes. (see test below)
Colour outer sheath:	RAL 9005 matt
Color of the printing:	TSD white
Printing:	„SAMCON GmbH ASKA03 +Art.-Nr. 000xxx / Koax 750HM 2x2x0,25mm ² +4x1,5mm ² “



Twisting: Coax. + Twisted Pair + Power + fleece banding
 + inner sheath + fleece banding
 + V4A steel wire armouring + fleece banding
 + outer sheath

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Armouring (2):

Typ: V4A steel wire armouring

Inner sheath(3):

Typ: PUR - Flame retardant according to IEC 60322-1-2 1KW flame,... (see outer sheath)

Video signal cable (4):

Typ: coaxial
 Core: 19x0,127 mm verzinkt=AWG24
 Dielectric material: Polyolefine
 Core diameter dielectric: 2,80 +- 0,10 mm
 Color dielectric: nature
 Shield: Plated copper braid., 90% density
 Sheath material: TPE-black
 Sheath diameter: 4,00 mm
 Impedance: 75 Ohm
 Capacitance: 58 pF/m

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Control signal cable (5):

Typ: Twisted Pair
 Conductor: 2x2x0,25mm² closed Cu shielded
 per conductor: plain copper 19x0,127 mm
 BR, YE; OR, GN
 Sheath: double wrapping foil

Power Elements (6):

Typ: single conductors
 Conductors: 4x1,5 mm²
 per conductor: 42x0,15mm blank
 Isolation: Polyolefine
 Colours of conductors: RD, BK, GR, WH

Dauer			Zugfestigkeit		Reissdehnung		Shore-Härte		Gewicht	Volumen	Temp.
[h]	[d]	[w]	[MPa]	Diff.[%]	[%]	Diff.[%]	[A/D]	Diff.	Diff.[%]	Diff.[%]	[°C]
1			39	-9	690	5	82	-5	1,4	1,5	90
24			35	-19	640	-3	81	-6	1,6	1,8	90
72			34	-21	740	12	81	-6	1,6	1,8	90
168			32	-26	780	18	81	-6	1,6	1,8	90

