

MULTI ANALOG CABLE (ARMORED)

Cables for maritime environments in non-explosive and explosive areas



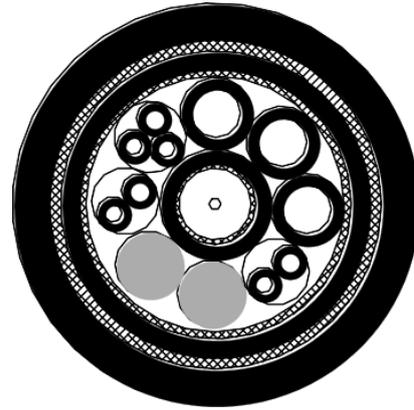
Compatibility

The cable is suitable with the camera series:

EC-940S-AFZ-1NA / 1PA
EC-840S-TIC-19A

▶ Stahl Ident-No:

▶ Set-up: Coax 75Ω + 3x2.5 mm² + 2x2x0.34 mm² + 3x0.34 mm²



SET-UP

Coax 75Ω: Cu wire 0.503 mm
Insulation: Special PE mixture natural, Ø3.0^{±0.10} mm
Banding: Aluminium foil, 1 layer
Insulation: Tin-plated 0.10 mm Cu wire mesh insulation, optical coverage 90%
Isolation: Special TPE mixture in black
Diameter: 4.6^{±0.15} mm

Wires 2.5 mm²

Conductor: Cu wire blank, 19x0.41 mm
Insulation: Special TPE-mixture
Colors: white, brown, green
Wire diameter: 3.0^{±0.10} mm

Wires 0.34 mm²

Conductor: Cu wire blank, 7x0.25 mm
Insulation: Special TPE-mixture
Colors: gray, pink, red, black
Wire diameter: 1.40^{±0.05} mm
Pair stranding: 2 wires 0.34 mm² each twisted to a cable
Banding: Fleece, 1 layer

Final stranding: Coax in the core, 3x2.5 mm² above + 2x2x0.34 mm² + 3x0.34 mm² + 2 fillers stranded tension-free

Banding: Fleece, 1 layer

Isolation: Tin-plated Cu wire mesh insulation, optical coverage 85%

Inner sheath: Extruded embedding with special PUR-mixture

Isolation: Tin-plated Cu wire mesh insulation, optical coverage 65%

Banding: Fleece, 1 layer

Outer sheath

Material: Special flame-resistant and halogen-free polyurethan mix
Color: similar to RAL 9005 black, matt
Outer diameter: 16.5 ±0.3 mm
Imprint: Meter indication

GENERAL PROPERTIES

IEC 60332-1: Flame-retardent
IEC 60754-2: Halogen-free
DIN 60811-404: Oil-resistant (168h at 100 °C)
RoHS compliant (Directive 2011/65/EC)
DIN ISO 4892-2: Ozone and UV resistant
Mud resistant: acc. NEK 606
UL - External Use (Cable Flame)

Resistant against oil and gasoline, seawater resistant, resistant against coolants, lubricants and cold cleaners, for use in maritime environments, ozone and UV resistant.

The cable is suitable for fixed installation.

TECHNICAL SPECIFICATIONS

Testing voltage: 3000 V (Spark tester)
1000 V (wire-wire)
Conductor resistance 0.34 mm² => 56.0 Ω/km (at 20 °C)
2.50 mm² => 7.98 Ω/km (at 20 °C)
Nominal voltage 300V
Operating temperature
fixed installation: -60 °C to 80 °C
Bend radius
fixed installation: 5 x outer diameter
wave impedance (Coax): nom. 75 ±5Ω