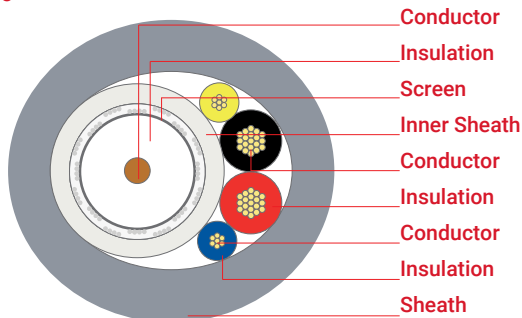




Cable structure



- Electrolytic copper wire, \varnothing 0.81 mm (AWG20)
- Physical foam PE, \varnothing 3.70 mm, 70°C, EN 50290-2-23
- Al-Pet foil min. 100% coverage, Aluminium braided wire
- PVC, TM51 70°C, EN 50290-2-22
- Stranded copper wire, 0.75 mm², Class 5, IEC 60228
- PVC, Black-Red, TI52 EN 50290-2-21
- Stranded copper wire, 0.22 mm², Class 5, IEC 60228
- PVC, Yellow-Blue, TI52 EN 50290-2-21
- PVC - RAL 7001 Grey, TM51 70°C, EN 50290-2-22

Application

Utilising physical foam insulation technology, cables have a rated impedance of 75 ohms and are used in indoor and dry environment CCTV closed circuit camera applications. Provides simultaneous transmission of video, power, audio and control signals.

Attenuation @20°C

max.	50 MHz	5.95 dB/100 m
	200 MHz	11.71 dB/100 m
	470 MHz	18.08 dB/100 m
	860 MHz	24.79 dB/100 m
	1000 MHz	26.85 dB/100 m
Return loss	5-470 MHz	> 20 dB
	470-1000 MHz	> 18 dB

Specifications

Operating temperature		-30°C ...+70°C
Bending radius	min.	10 x D
Impedance		75 ± 3 Ω
Capacitance		54 ± 2 pF/m
Velocity of propagation		(82 ± 2)%
Insulation resistance	min.	2 GΩ x km
Operating voltage	max.	1000 V
Test voltage		2500 V
Conductor resistance		0.22 mm ² 96 Ω/km
		0.50 mm ² 39 Ω/km
		0.75 mm ² 26 Ω/km
		1.0 mm ² 19.5 Ω/km

Standards TSE K 212

Fire performance

Vertical flame propagation EN 60332-1-2

EU declaration of conformity

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
306056	CCTV 1+2 RG 59 U/4 + 2x0.50 mm ²	8.80	13	70	Grey (RAL 7001)	500/1000
306129	CCTV 1+2 RG 59 U/4 + 2x0.75 mm ²	9.30	17	77	Grey (RAL 7001)	500/1000
306100	CCTV 1+4 RG 59 U/4 + 4x0.50 mm ²	9.30	21	84	Grey (RAL 7001)	500/1000
306057	CCTV 1+4 RG 59 U/4 + 2x0.50 mm ² + 2x0.22 mm ²	8.70	16	74	Grey (RAL 7001)	500/1000
306058	CCTV 1+4 RG 59 U/4 + 2x0.75 mm ² + 2x0.22 mm ²	9.30	20	84	Grey (RAL 7001)	500/1000

Specifications may vary depending on technical modifications.