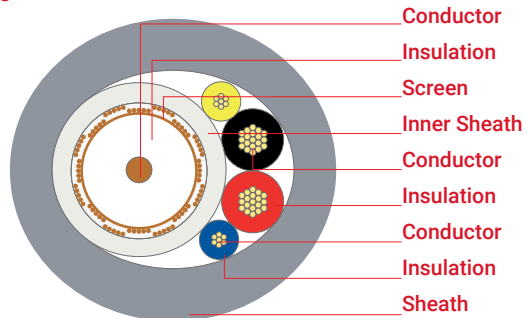




Cable structure



- Electrolytic copper wire, Ø 0.81 mm (AWG20)
- Physical foam PE, Ø 3.70 mm, 70°C, EN 50290-2-23
- Cu-Pet foil min. 100% coverage, Electrolytic braided copper wire
- PVC, TM51 70°C, EN 50290-2-22
- Stranded copper wire, 0.75 mm², Class 5, IEC 60228
- PVC, Black-Red, T152 EN 50290-2-21
- Stranded copper wire, 0.50 mm², Class 5, IEC 60228
- PVC, Yellow-Blue, T152 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	max.	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]
306059	CCTV 1+2 RG 59 U/6 + 2x0.75 mm ²	9.30	23	84	Grey (RAL 7001)	500/1000
306060	CCTV 1+4 RG 59 U/6 + 2x0.75 mm ² + 2x0.50 mm ²	9.30	31	96	Grey (RAL 7001)	500/1000
306099	CCTV 1+4 RG 59 U/6 + 2x1.0 mm ² + 2x0.75 mm ²	9.60	39	108	Grey (RAL 7001)	500/1000

Specifications may vary depending on technical modifications.