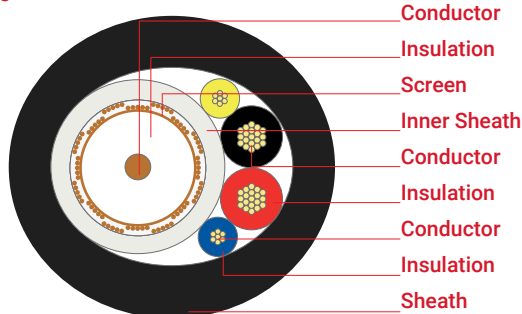




Cable structure



- Electrolytic copper wire, Ø 1.02 mm (AWG18)
- Physical foam PE, Ø 4.60 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
- PE - RAL 9011 Black, 80°C, EN 50290-2-24

Application

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

Specifications

Operating temperature		-30°C ...+70°C	
Bending radius	min.	10 x D	
Impedance		75 ± 3 Ω	
Capacitance		52 ± 2 pF/m	
Velocity of propagation		(84 ± 2)%	
Insulation resistance	min.	2 GΩ x km	
Operating voltage	max.	1300 V	
Test voltage		3000 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
		1.50 mm ²	13.3 Ω/km
		2.50 mm ²	7.98 Ω/km

Attenuation @20°C

max.	50 MHz	4.74 dB/100 m
	200 MHz	9.29 dB/100 m
	470 MHz	14.35 dB/100 m
	860 MHz	19.72 dB/100 m
	1000 MHz	21.37 dB/100 m
Return loss	5-470 MHz	> 20 dB
	470-1000 MHz	> 18 dB

Standards TSE K 212

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]
306077	CCTV 1+2 PE RG 6 U/6 + 2x0.75 mm ²	10.2	26	85	Black (RAL 9011)	500/1000
306078	CCTV 1+2 PE RG 6 U/6 + 2x1.5 mm ²	11.3	38	106	Black (RAL 9011)	500/1000
306079	CCTV 1+4 PE RG 6 U/6 + 2x0.75 mm ² + 2x0.50 mm ²	10.3	34	97	Black (RAL 9011)	500/1000

Specifications may vary depending on technical modifications.