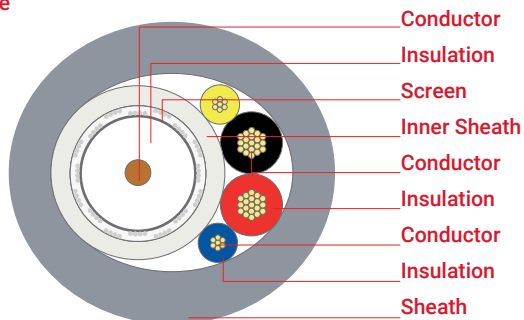




Cable structure



- Electrolytic copper wire, Ø 1.02 mm (AWG18)
- Physical foam PE, Ø 4.60 mm, 70°C, EN 50290-2-23
- Al-Pet foil min. 100% coverage, Aluminium braided wire
- HFFR 70°C, EN 50290-2-27
- Stranded copper wire, 0.75 mm², Class 5, IEC 60228
- HFFR, Black-Red, 70°C EN 50290-2-26
- Stranded copper wire, 0.50 mm², Class 5, IEC 60228
- HFFR, Yellow-Blue, 70°C EN 50290-2-26
- HFFR - RAL 7001 Grey, 70°C EN 50290-2-27

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. Cables are composed of halogen-free materials (flame retardant materials that do not emit toxic gas or black dense smoke that lowers visibility). They are primarily used in highly populated areas that should have fire resistance, such as housing estates, hotels, shopping malls and smart buildings.

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

Fire performance

- Vertical flame propagation EN 60332-1-2
- Corrosive gas EN 60754-1/2
- Smoke density EN 61034-2

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]
306084	CCTV 1+2 HF RG 6 U/4 + 2x0.75 mm ²	10.2	20	93	Grey (RAL 7001)	500/1000
306085	CCTV 1+2 HF RG 6 U/4 + 2x1.50 mm ²	11.3	32	118	Grey (RAL 7001)	500/1000
306086	CCTV 1+4 HF RG 6 U/4 + 2x0.75 mm ² + 2x0.50 mm ²	10.3	28	106	Grey (RAL 7001)	500/1000

Specifications may vary depending on technical modifications.