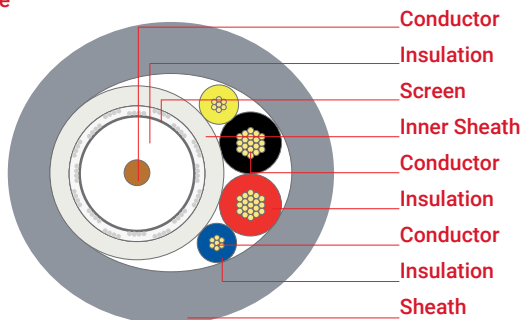




Cable structure



- Electrolytic copper wire, Ø 0.81 mm (AWG20)
- Physical foam PE, Ø 3.70 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, 0.22 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		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

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

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]
306135	CCTV 1+2 HF RG 59 U/4 + 2x0.75 mm ²	9.30	13	70	Grey (RAL 7001)	500/1000
306083	CCTV 1+4 HF RG 59 U/4 + 2x0.75 mm ² + 2x0.22 mm ²	9.30	17	85	Grey (RAL 7001)	500/1000
306121	CCTV 1+4 HF RG 59 U/4 + 2x0.75 mm ² + 2x0.50 mm ²	9.30	21	96	Grey (RAL 7001)	500/1000

Specifications may vary depending on technical modifications.