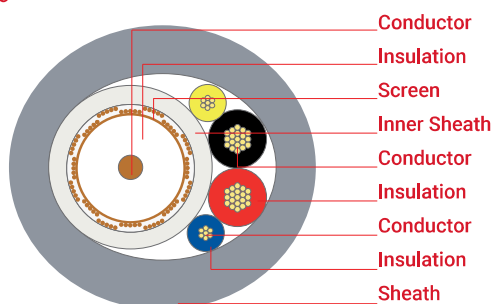




Cable structure



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

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 require fire resistance, such as housing estates, hotels, shopping malls and smart buildings.

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

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
		0.50 mm ²
		0.75 mm ²
		1.0 mm ²
		1.50 mm ²
		2.50 mm ²
		96 Ω/km
		39 Ω/km
		26 Ω/km
		19.5 Ω/km
		13.3 Ω/km
		7.98 Ω/km

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]
306087	CCTV 1+2 HF RG 6 U/6 + 2x0.75 mm ²	10.2	26	100	Grey (RAL 7001)	500/1000
306088	CCTV 1+2 HF RG 6 U/6 + 2x1.50 mm ²	11.3	38	125	Grey (RAL 7001)	500/1000
306089	CCTV 1+4 HF RG 6 U/6 + 2x0.75 mm ² + 2x0.50 mm ²	10.3	34	119	Grey (RAL 7001)	500/1000

Specifications may vary depending on technical modifications.