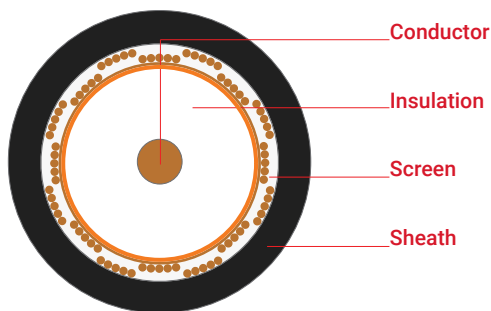




Cable structure



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

PE - RAL 9011 Black, Ø 6.80 mm
80°C, EN 50290-2-24

Application

Utilising physical foam insulation technology, cables have a rated impedance of 75 ohms and comply with EN 50117. They are primarily used in Cable TV, individual/central satellite distribution and CCTV security camera systems. Thanks to the polyethylene sheath, they are preferred for outdoor and underground installations.

Standards EN 50117, IEC 61196

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

Cable assembly length

Satellite distribution ²⁾	2150 MHz	60 m
VHF/UHF distribution ³⁾	860 MHz	150 m
S-band Cable TV distribution ³⁾	470 MHz	210 m

Specifications

Operating temperature	-40°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		
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 ¹⁾		2150 MHz	32.52 dB/100 m
		2400 MHz	34.59 dB/100 m
		3000 MHz	39.26 dB/100 m
		5-470 MHz	> 20 dB
Segregation class		470-1000 MHz	> 18 dB
		1000-2000 MHz	> 16 dB
		2000-3000 MHz	> 15 dB
Segregation class	"c" EN 50174-2		

¹⁾ According to EN 50117, 3 return loss peaks, whose value exceeds the limit by a maximum of 4 dB, are permissible.

²⁾ Maximum applicable length in 20 dBµV satellite distribution without line amplifier

³⁾ Maximum applicable length in 30 dBµV VHF/UHF and S-band Cable TV without line amplifier

Product code	Cable structure	Diameter [mm]	Copper weight [kg/km]	Cable weight [kg/km]	Sheath colour	Packaging [m]
307070	RG 6 U/6 PHY-PE Cu/Cu	6.80	17	37	■ Black (RAL 9011)	100/500/1000

Specifications may vary depending on technical modifications.