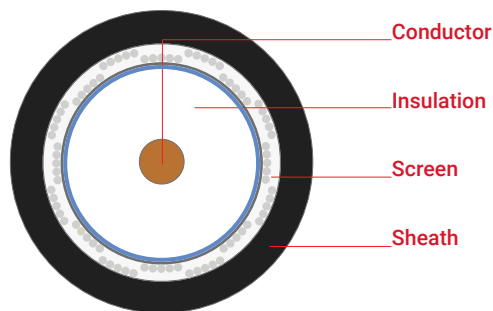




**Cable structure**



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

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.

**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 2150 MHz 32.52 dB/100 m 2400 MHz 34.59 dB/100 m 3000 MHz 39.26 dB/100 m
Return loss <sup>1)</sup>		5-470 MHz > 20 dB 470-1000 MHz > 18 dB 1000-2000 MHz > 16 dB 2000-3000 MHz > 15 dB
Screening Class		Class C
Segregation class		"c" EN 50174-2
Screen Attenuation		30-1000 MHz ≥ 75 dB 1000-2000 MHz ≥ 65 dB 2000-3000 MHz ≥ 55 dB
Transfer Impedance		5-30 MHz ≤ 50 mΩ/m

Standards EN 50117, IEC 61196

**EU declaration of conformity**

LVD	Low Voltage Directive	2014/35/EU
RoHS	Restriction of Hazardous Substances	2011/65/EU

**Cable assembly length**

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

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

<sup>2)</sup> Maximum applicable length in 20 dBμV satellite distribution without line amplifier

<sup>3)</sup> 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]
307068	RG 6 U/4 PHY-PE Cu/Al	6.80	7.3	30	■ Black (RAL 9011)	100/500/1000

Specifications may vary depending on technical modifications.