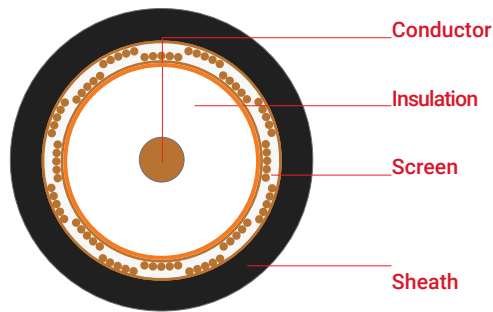




**Cable structure**



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  
Cu-Pet foil min. 100% coverage

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 A+	
Segregation class		"d" EN 50174-2	
Screen Attenuation		30-1000 MHz	≥ 95 dB
		1000-2000 MHz	≥ 85 dB
		2000-3000 MHz	≥ 75 dB
Transfer Impedance		5-30 MHz	≤ 2.5 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]
307159	RG 6 U/6 PHY-PE Cu/Cu Trishield	6.80	20	41	■ Black (RAL 9011)	100/500/1000

Specifications may vary depending on technical modifications.