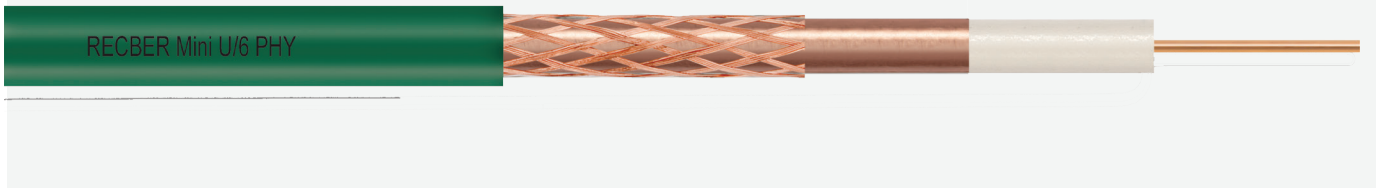
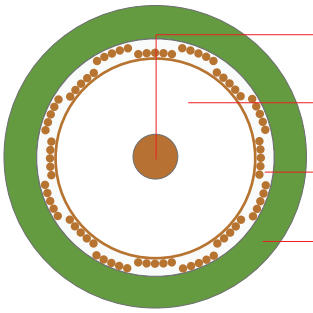
Mini U/6 PHY-PVC

Cu/Cu

Coaxial Cable



Cable construction



Conductor	Bare copper wire, Ø 0,64mm (AWG22)
Insulation	Physical foam PE, Ø 2,90mm 70°C, EN 50290-2-23
Screen	Plastic coated copper foil 100% coverage Braiding of bare copper wires
Sheath	PVC - RAL 6018 Green, Ø 4,30mm TM51 70°C, EN 50290-2-22

Application

By making use of physical foaming technology, cables with 75 Ohm characteristic impedance , in compliance with the standards EN 50117 are used for community antenna television identified as CATV, individual-central antenna, satellite distribution systems and closed-circuit television camera applications identified as CCTV. It can be easliy used in restoration projects in conduits, where flush-mounted in the wall and the ceiling because of its small diameter of size.

Technical information

Temperature range	-30 °C ... +70 °C	
Min. bending radius	10 x D	
Impedance	75 ± 3 Ω	
Capacitance	54 ± 2 pF/m	
Velocity of propagation	%83 ± 2	
Insulation resistance	≥2 G Ω x km	
Max. operating voltage	1000 V	
Test voltage	2500 V	
Attenuation @ 20 °C	50 MHz	7,26 dB/100m
	200 MHz	14,23 dB/100m
	470 MHz	21,91 dB/100m
	860 MHz	29,96 dB/100m
	1000 MHz	32,43 dB/100m
	2150 MHz	48,82 dB/100m
	2400 MHz	51,83 dB/100m
	3000 MHz	58,59 dB/100m
Return loss[1)]	5-470 MHz	> 20 dB
	470-1000MHz	> 18 dB
	1000-2000 MHz	> 16 dB
	2000-3000 MHz	> 15 dB
Segregation classification	"c" EN 50174-2	

Standards	EN 50117, IEC 61196
Fire Performances	
Vertical flame propagation	EN 60332-1-2

EU Declaration of Confirmity

LVD	Low Voltage Directive 2014/35/EU
RoHS	RoHS Directive 2011/65/EU

[1)] According to EN 50117, in each frequency band, 3 peak return loss values up to 4 dB lower than the stated specified limit are permissible.

Part no.	Cable construction	Outer dia. approx. [mm]	Cu content [kg/km]	Cable weight [kg/km]	Sheath - Color	Packing [m]
307052	Mini U/6 PHY-PVC Cu/Cu	4,30	11	23	Green (RAL 6018)	100/250/500/1000
307109	Mini U/6 PHY-PVC Cu/Cu	4,30	11	23	White (RAL 9003)	100/250/500/1000

Specifications are subject to the technical modification.

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