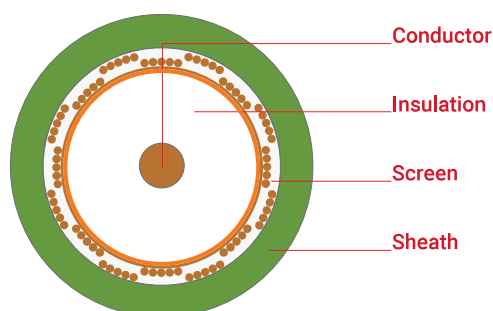




#### Cable structure



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

PVC - RAL 6018 Green, Ø 6.80 mm  
TM51 70°C, EN 50290-2-22

#### 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.

**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 <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 |

#### 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                  |
| 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 B                 |
| 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 ≤ 15 mΩ/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] |
|--------------|------------------------|---------------|-----------------------|----------------------|---------------------------------------------------------------------------------------------------------------|---------------|
| 307059       | RG 6 U/6 PHY-PVC Cu/Cu | 6.80          | 17                    | 47                   |  Green (RAL 6018)        | 100/500/1000  |
| 307156       | RG 6 U/6 PHY-PVC Cu/Cu | 6.80          | 17                    | 47                   |  White (RAL 9003)        | 100/500/1000  |
| 307157       | RG 6 U/6 PHY-PVC Cu/Cu | 6.80          | 17                    | 47                   |  Black/ Green (RAL 9011) | 100/500/1000  |
| 307158       | RG 6 U/6 PHY-PVC Cu/Cu | 6.80          | 17                    | 47                   |  Black (RAL 9011)        | 100/500/1000  |

Specifications may vary depending on technical modifications.