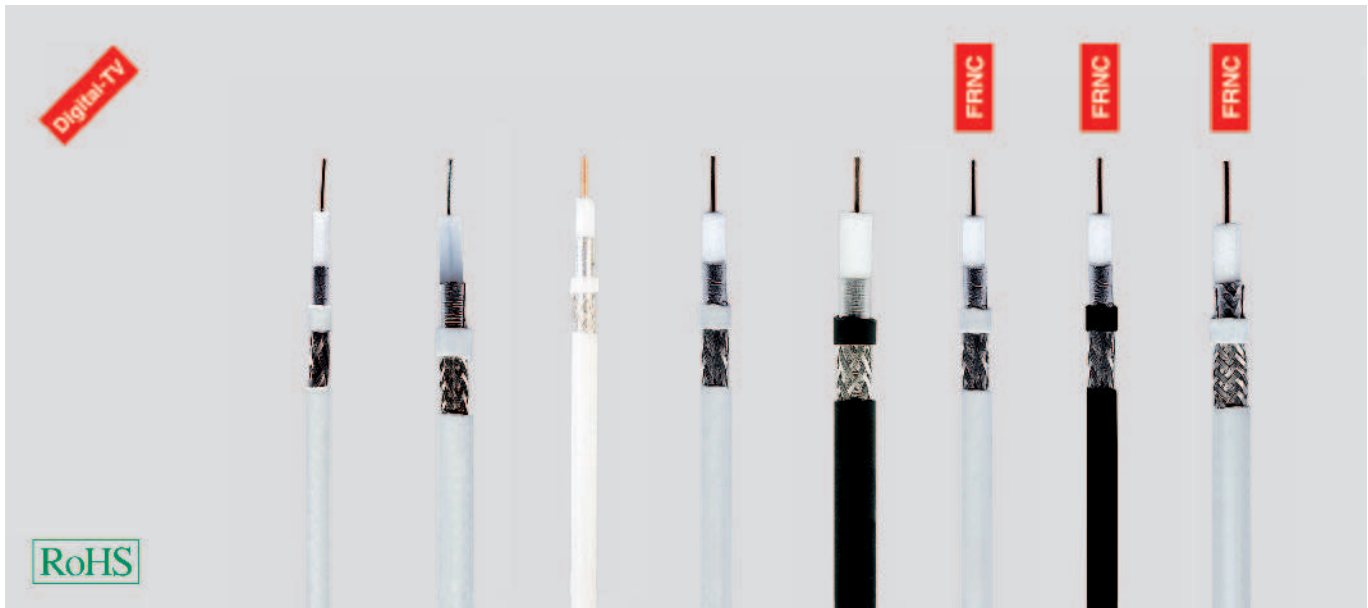


# SAT-Coaxial Cables for digital-tv, screening efficiency >90dB / >95dB, for satellite-receivers, double screened



| used as<br>Type                          | inner<br>0,7/2,9  | inner/outer<br>0,7/4,5  | inner/outer<br>0,8/3,5  | inner<br>1,1/5,0  | Underground<br>1,6/7,0  | inner<br>1,1/5,0 FRNC   | inner/outer<br>1,1/5,0 FRNC   | inner<br>1,6/7,0 FRNC   |
|--|---|---|---|---|---|---|---|---|
| Part No.                                 | 40015   | 40016   | 40085   | 40017   | 40018   | 40019   | 40021   | 40020   |
| <b>Cable structure</b>                   |   |   |   |   |   |   |   |   |
| Inner conductor ø mm                     | 0,65 Copper, bare   | 0,75 Tinned copper  | 0,8 Copper, bare  | 1,13 Copper, bare   | 1,63 Copper, bare   | 1,13 Copper, bare   | 1,13 Copper, bare   | 1,63 Copper, bare   |
| Insulation ø mm                          | 3,0 Polyethylene, foamed  | 4,5 Polyethylene, foamed  | 3,5 Polyethylene, foamed  | 4,8 Polyethylene, foamed  | 7,1 Polyethylene, foamed  | 4,8 Cell PE, foamed   | 4,8 Cell PE, foamed   | 7,1 Polyethylene, foamed  |
| Outer conductor                          | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid | Polyester foil coated with aluminium on both sides<br>Tinned copper braid |
| 1st Screen - ALPR                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        | Polyester foil coated with aluminium on both sides                        |
| 2nd Screen - Cu-Braid                    | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   | Tinned copper braid   |
| Outer jacket                             | PVC   | PVC   | PVC   | PVC   | PE  | FRNC  | FRNC  | FRNC  |
| Colour                                   | white   | white   | white   | white   | black   | white   | black   | white   |
| Approx. outer ø mm                       | 4,3   | 6,6   | 5,0   | 6,90  | 10,30   | 6,8   | 6,8   | 10,0  |
| Min. bending radius ca. mm               | 43  | 35  | 50  | 45  | 60  | 48  | 48  | 60  |
| Approx. weight kg/km                     | 20  | 40  | 32  | 47  | 110   | 47  | 47  | 110   |
| <b>Electrical characteristics</b>        |   |   |   |   |   |   |   |   |
| <b>Impedance (Ohm)</b>                   | <b>75 ± 3</b>   | <b>75 ± 3</b>   | <b>75 ± 3</b>   | <b>75 ± 2</b>   | <b>75 ± 2</b>   | <b>75 ± 2</b>   | <b>75 ± 2</b>   | <b>75 ± 2</b>   |
| Approx. capacitance pF/m                 | 55,0  | 67,0  | 53,0  | 55,00   | 55,00   | 53,0  | 55,00   | 53,0  |
| Propagation velocity v/c                 | 0,8   | 0,66  | 0,8   | 0,80  | 0,85  | 0,85  | 0,80  | 0,85  |
| Attenuation at 20°C (dB/100m)            |   |   |   |   |   |   |   |   |
| 100 MHz                                  | 8,10  | 7,1   | 6,30  | 4,90  | 3,00  | 4,7   | 4,90  | 3,8   |
| 200 MHz                                  | 13,30   | 10,4  | 11,50   | 7,70  | 6,10  | 7,0   | 7,20  | 5,5   |
| 450 MHz                                  | 20,90   | 16,8  | 17,10   | 11,60   | 9,00  | 11,5  | 11,60   | 8,6   |
| 800 MHz                                  | -   | 25,0  | -   | -   | -   | 17,0  | -   | 12,1  |
| 1000 MHz                                 | 31,50   | 27,4  | 26,50   | 18,90   | 14,30   | 18,1  | 18,90   | 13,2  |
| 1750 MHz                                 | 42,20   | 37,4  | 36,40   | 26,60   | 20,10   | 25,0  | 26,60   | 17,5  |
| 2050 MHz                                 | 45,80   | 40,5  | 39,70   | 28,20   | 22,50   | 27,3  | 28,20   | 19,0  |
| 2250 MHz                                 | 49,90   | 44,3  | 43,10   | 29,50   | 24,00   | 28,0  | 29,50   | 19,9  |
| 2400 MHz                                 | 55,5  | 45,0  | -   | 31,90   | -   | 29,3  | 31,90   | 22,5  |
| Structural return loss min. (dB) between |   |   |   |   |   |   |   |   |
| 30 and 300 MHz                           | 20  | 20  | 35  | 25  | 40  | 25  | 40  | 25  |
| 300 and 600 MHz                          | 18  | 18  | 35  | 18  | 35  | 18  | 40  | 18  |
| 600 and 960 MHz                          | 16  | 18  | 30  | 17  | 35  | 17  | 35  | 17  |
| 960 and 1750 MHz                         | -   | -   | 30  | 15  | 30  | 15  | 30  | 15  |
| <b>Direct-current resistance at 20°C</b> |   |   |   |   |   |   |   |   |
| Inner conductor max. Ohm/km              | 52,0  | 110,0   | 36,0  | 18,0  | 9,0   | 18,0  | 18,0  | 9,0   |
| Outer conductor max. Ohm/km              | 29,00   | 22,0  | 28,0  | 14,0  | 21,0  | 14,0  | 14,0  | 21,0  |
| Max. nominal voltage (V)                 | -   | -   | -   | -   | -   | -   | -   | -   |
| <b>Screening efficiency (dB)</b>         |   |   |   |   |   |   |   |   |
| 50 and 100 MHz ≥                         | 95  | 90  | 90  | 95  | 90  | 90  | 95  | 90  |
| 100 and 500 MHz ≥                        | 95  | 90  | 90  | 95  | 90  | 90  | 95  | 90  |
| 500 and 1000 MHz ≥                       | 95  | 90  | 90  | 95  | 90  | 90  | 95  | 90  |
| 1000 and 2050 MHz ≥                      | 95  | 90  | 90  | 95  | 90  | 90  | 95  | 90  |

Dimensions and specifications may be changed without prior notice.