



| Construction | |
|--|--|
| Inner conductor ① | |
| Material | Annealed Copper |
| Diameter | Ø 1,1 ± 0,005 mm |
| Dielectric ② | |
| Material | Cellular PE Physical |
| Color | Natural |
| Diameter | Ø 4,9 ± 0,10mm |
| Outer conductor | |
| 1st Layer ③ | |
| Material | Thick Alu 40µm/P olyester /Alu tape |
| Coverage | ≥ 125% |
| 2nd Layer ④ | |
| Material | Tinned copper clad aluminum |
| Braiding | 16 × (8 × Ø 0,12 mm) |
| Coverage | 78% |
| Water protection | |
| 2 nd Layer | Jelly over braiding ⑤ |
| Messenger ⑥ | |
| Material | Galvanized steel |
| Strand | 7 × Ø0.85 mm |
| Breaking force | > 4500 N |
| Sheath | |
| 1st Layer ⑦ | |
| Material | PE |
| Color | Black RAL9005 |
| Diameter | Ø 6,95±0,15 mm + Ø5.0±0.2mm |
| Mass | TbD kg/km |
| Marking of sheath | |
| Printing with XXX: Quantity in meter still available per reel DDDDD: Date code | iDEFINITION10 - 75 OHMS - EXTERIEUR AUTOPORTE - elbaC 159207 - DDDDD - XXX m |
| Color / Process | White / Inkjet |
| Step | 1 m |

| Meet Standards | |
|--------------------------------|--|
| European directive 2011/65/E U | |

| Electrical characteristics | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------------------|-------------------|----------------------------|--------------|------|----|-----|-----|-----|-----|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|
| Impedance | 75 ± 2 Ω | | | | | | | | | | | | | | | | | | | | | | |
| Capacitance | < 58 pF/m | | | | | | | | | | | | | | | | | | | | | | |
| Max DC resistances (20°C) | | | | | | | | | | | | | | | | | | | | | | | |
| Inner conductor | 21,1 Ω/100m | | | | | | | | | | | | | | | | | | | | | | |
| Outer conductor | 21 Ω/100m | | | | | | | | | | | | | | | | | | | | | | |
| Propagation velocity | 84% | | | | | | | | | | | | | | | | | | | | | | |
| Rated voltage | 30V | | | | | | | | | | | | | | | | | | | | | | |
| Insulation resistance (20°C) | > 500M Ω.km | | | | | | | | | | | | | | | | | | | | | | |
| Longitudinal attenuation | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Frequenc y MHz</th> <th>Max attenuation dB/100m</th> </tr> </thead> <tbody> <tr><td>5</td><td>1.5</td></tr> <tr><td>50</td><td>4.6</td></tr> <tr><td>100</td><td>6.5</td></tr> <tr><td>200</td><td>9.2</td></tr> <tr><td>400</td><td>13.0</td></tr> <tr><td>800</td><td>18.7</td></tr> <tr><td>1000</td><td>21.5</td></tr> <tr><td>1350</td><td>25.1</td></tr> <tr><td>2150</td><td>32.1</td></tr> <tr><td>3000</td><td>39.1</td></tr> </tbody> </table> | | Frequenc y MHz | Max attenuation dB/100m | 5 | 1.5 | 50 | 4.6 | 100 | 6.5 | 200 | 9.2 | 400 | 13.0 | 800 | 18.7 | 1000 | 21.5 | 1350 | 25.1 | 2150 | 32.1 | 3000 | 39.1 |
| Frequenc y MHz | Max attenuation dB/100m | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1.5 | | | | | | | | | | | | | | | | | | | | | | |
| 50 | 4.6 | | | | | | | | | | | | | | | | | | | | | | |
| 100 | 6.5 | | | | | | | | | | | | | | | | | | | | | | |
| 200 | 9.2 | | | | | | | | | | | | | | | | | | | | | | |
| 400 | 13.0 | | | | | | | | | | | | | | | | | | | | | | |
| 800 | 18.7 | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | 21.5 | | | | | | | | | | | | | | | | | | | | | | |
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| 3000 | 39.1 | | | | | | | | | | | | | | | | | | | | | | |
| Return loss | | | | | | | | | | | | | | | | | | | | | | | |
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| [5 - 1000] | > 23 | | | | | | | | | | | | | | | | | | | | | | |
| Screening attenuation | | | | | | | | | | | | | | | | | | | | | | | |
| Attenuation 30-1000 MHz | > 80 dB | | | | | | | | | | | | | | | | | | | | | | |
| Attenuation 1000-3000MHz | > 85 dB | | | | | | | | | | | | | | | | | | | | | | |
| Thermal characteristics | | | | | | | | | | | | | | | | | | | | | | | |
| CPR fire reaction class | F _{ca} | | | | | | | | | | | | | | | | | | | | | | |
| Rated tempature | 70°C | | | | | | | | | | | | | | | | | | | | | | |
| Packaging | | | | | | | | | | | | | | | | | | | | | | | |
| - W1 : 100m / Wooden Drum | | | | | | | | | | | | | | | | | | | | | | | |
| - W5 : 500m / Wooden Drum | | | | | | | | | | | | | | | | | | | | | | | |
| Notes | | | | | | | | | | | | | | | | | | | | | | | |