

**Construction****Inner conductor** ①

| | |
|----------|------------------|
| Material | Annealed copper |
| Diameter | Ø 0.8 ± 0.005 mm |

Dielectric ②

| | |
|----------|----------------------|
| Material | Cellular PE Physical |
| Color | Natural |
| Diameter | Ø 3.65 ± 0.10 mm |

Outer conductor**1st Layer** ③

| | |
|----------|-----------------------------------|
| Material | Thick Alu 40µm/Polyester/Alu tape |
| Coverage | ≥ 125% |

2nd Layer ④

| | |
|----------|-----------------------------|
| Material | Tinned copper clad aluminum |
| Braiding | 16 × (6 × Ø 0.12 mm) |
| Coverage | 78% |

Sheath ⑤

| | |
|----------|-------------------------|
| Material | PVC - Flam retardant C2 |
| Color | Blue - RAL 5017 |
| Diameter | Ø 6.10 ± 0.15 mm |

Weight

| | |
|-------------|----------|
| Linear mass | 35 kg/km |
|-------------|----------|

Marking of sheath

| | |
|-----------------|--|
| Printing | iDEFINITION 80 - HD SDI - 75 with XXX: Quantity in meter still available per reel DDDDD: Date code |
| Color / Process | White / Ink jet |
| Step | 1m |

Stripping force / 50 mm (F)

| | |
|------------|-----------------|
| Dielectric | 15 N ≤ F ≤ 35 N |
|------------|-----------------|

Meet Standards

| | |
|-----------------|-------------------------------|
| Marking : | CE |
| Fire reaction : | EN 50575:2014/A1:2016 |
| Environment : | European directive 2011/65/EU |

Electrical characteristics

| | |
|----------------------------------|-------------|
| Impedance | 75 ± 2 Ω |
| Capacitance | < 58 pF/m |
| Max DC Resistance at 20°C | |
| Inner conductor | 37 Ω/km |
| Outer conductor | 17.2 Ω/km |
| Propagation velocity | 81% |
| Rated voltage | 30 V |
| Insulation resistance at 20°C | > 500 MΩ/km |

Longitudinal attenuation

| Frequency MHz | Max attenuation dB/100m |
|------------------|----------------------------|
| 5 | 1.8 |
| 30 | 5.6 |
| 100 | 7.9 |
| 300 | 13.9 |
| 400 | 16.1 |
| 1000 | 26.3 |
| 2150 | 39.7 |
| 3000 | 47.8 |

Return loss

| Frequency MHz | Return loss dB |
|------------------|-------------------|
| [30 - 1000] | > 23 |

Screening attenuation

| | |
|-----------------------------|---------|
| Attenuation 30 - 2000 MHz | > 80 dB |
| Attenuation 2000 - 3000 MHz | > 85 dB |

Thermal characteristics

| | |
|-------------------------|-----------------|
| CPR fire reaction class | E _{ca} |
| Rated temperature | 80°C |

Packaging

| | |
|------|-------------------------|
| - C1 | : 100m / Cardboard Reel |
| - R3 | : 300m / Easy Reel Box |
| - W5 | : 500m / Wooden Drum |

Notes