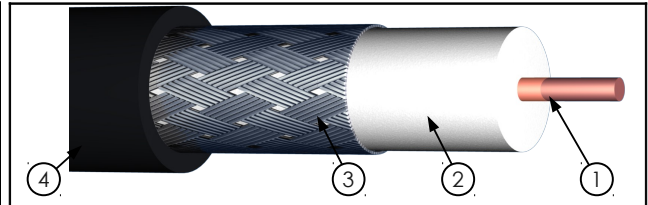
**elbaC Cable**

ZAC sous le Beer – RD836
 F-27730 BUEIL
 Tel : +33 (0)2 32 60 00 92
 Fax : +33 (0)2 76 01 31 80
 www.elbac.fr / info@elbac.fr

**Construction****Inner conductor** ①

| | |
|----------|-------------------|
| Material | Annealed copper |
| Diameter | Ø 0.40 ± 0.008 mm |

Dielectric ②

| | |
|----------|------------------|
| Material | Gas injection PE |
| Color | Natural |
| Diameter | Ø 1.75 ± 0.10 mm |

Outer conductor**1st Layer** ③

| | |
|----------|----------------------|
| Material | Tinned Copper |
| Braiding | 16 x (4 x Ø 0.12 mm) |
| Coverage | ≥ 85% |

Sheath ④

| | |
|----------|-----------------|
| Material | PVC Black |
| Diameter | Ø 2.9 ± 0.10 mm |

Mass

| | |
|------|------------|
| Mass | 15.8 kg/km |
|------|------------|

Marking on sheath

| | |
|--|--|
| Printing <small>with XXX quantity in meter still available per reel DDDDD : Date code</small> | « µC 75 - 75 OHMS - CE - elbaC 150049 - DDDDD - XXX m » |
|--|--|

| | |
|-----------------|-----------------|
| Color / Process | White / Ink jet |
|-----------------|-----------------|

| | |
|------|-----|
| Step | 1 m |
|------|-----|

Stripping force / 50 mm

| | |
|------------|----------------|
| Dielectric | 8 N ≤ F ≤ 25 N |
|------------|----------------|

Meet Standards

European directive 2011/65/EU

Electrical characteristics

| | |
|-----------|----------|
| Impedance | 75 ± 3 Ω |
|-----------|----------|

| | |
|-------------|-------------|
| Capacitance | 57 ± 3 pF/m |
|-------------|-------------|

Max DC resistance

| | |
|-----------------|-----------|
| Inner conductor | <135 Ω/km |
|-----------------|-----------|

| | |
|-----------------|----------|
| Outer conductor | <28 Ω/km |
|-----------------|----------|

| | |
|----------------------------|-----|
| Propagation velocity ratio | 78% |
|----------------------------|-----|

| | |
|---------------------------|--------|
| Max operating voltage RMS | 1000 V |
|---------------------------|--------|

| | |
|----------------------------|-------------|
| Insulation resistance 20°C | >1000 MΩ/km |
|----------------------------|-------------|

Longitudinal attenuation

| Frequency MHz | Max attenuation dB/100m |
|------------------|----------------------------|
| 1 | 1.8 |
| 10 | 6.0 |
| 50 | 13.0 |
| 100 | 18.2 |
| 200 | 26.2 |
| 400 | 38.0 |
| 800 | 56.0 |
| 1000 | 64.0 |

Thermal characteristics

| | |
|-------------------|-------------|
| Rated Temperature | -10 to 80°C |
|-------------------|-------------|

Packaging

-W5 : 500m / plastic reel

Notes