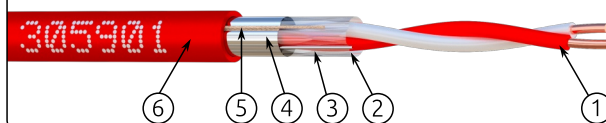
**elbaC Cable**

ZAC sous le Beer - RD 836
F-27730 BUEIL (Eure - France)
Tél : +33 (0)2 32 62 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 0,78 mm |
| Area | 0,48 mm ² |

Insulation

| | |
|----------|-----------|
| Material | HDPE |
| Diameter | Ø 1,30 mm |

Assembly

1 pair

| | |
|------------|-----------------|
| Colors | See color table |
| Lay length | |

Mylar spiral ②

| | |
|----------|---------|
| Coverage | ≥ 125 % |
|----------|---------|

Drain wire ③

| | |
|----------|-------------------|
| Material | Tinned copper |
| Diameter | Ø 0,45 ± 0.008 mm |

Screen ④

| | |
|----------|-------------------|
| Material | Alu/PET (40µ/12µ) |
| Coverage | ≥ 115% |

Rip Cord ⑤

| | |
|--|------|
| | 200D |
|--|------|

Sheath ⑥

| | |
|----------|---|
| Material | PVC Red Flame retardant IEC 332-1 (C2) |
| Diameter | Ø 4,50 mm |

| | |
|------|----------|
| Mass | 29 kg/km |
|------|----------|

Marking of sheath

| | |
|--|---|
| Printing with XXX : Quantity in meter still available per reel DDDDD : Date code | LY9ST/SYT+ 1P AWG20 - CE - elbaC 305901 - DDDDD - XXX m |
| Color / Process | Black / Ink jet |
| Step | 1 m |

Notes**Electrical characteristics**

| | |
|-----------------------------|------------|
| Impedance | 100 ± 20 Ω |
| Mutual paires capacitance | 70 nF/km |
| Max conductor DC resistance | 39 Ω/km |
| Propagation velocity ratio | 65% |
| Rated voltage | 200V |
| Insulation resistance 20°C | > 500MΩ.km |

Performances

| Frequency MHz | Max attenuation dB/100m | NEXT dB |
|------------------|----------------------------|------------|
| 0.001 | 0.200 | 70 |
| 0.040 | 0.350 | 66 |
| 0.150 | 0.850 | 57 |
| 0.300 | 1.300 | 53 |
| 1.000 | 2.500 | 45 |
| 2.000 | 3.500 | 40 |

Color table

| Pairs | Colors | |
|-------|--------|-----|
| | A | B |
| ① | White | Red |

According to NF C93-529

Meet Standards

| | |
|--------------------|-------------------------------|
| Fire performance : | IEC 60332-1 |
| Environment : | European directive 2011/65/EU |
| Marking : | CE |
| Fire reaction : | EN 50575:2014/A1:2016 |

Thermal characteristics

| | |
|------------------------------------|-----------------|
| CPR fire reaction class | E _{ca} |
| Storage / Transport / Installation | 0 / 50°C |
| Operation | -15 / 70°C |

Mechanical characteristics

| | |
|--------------------------------|------------|
| Static (d = sheath diameter) | r = 6 × d |
| Dynamic (d = sheath diameter) | r = 12 × d |

Packaging

| | |
|------|----------------------|
| - B1 | : 100m / Carton box |
| - W5 | : 500m / Wooden drum |