

**Construction****Inner conductor**

| | |
|----------|---|
| Material | Annealed Copper |
| Diameter | AWG24 / \varnothing 0.50 \pm 0.008 mm |

Insulation

| | |
|----------|-----------------------|
| Material | PEHD |
| Diameter | \varnothing 0.92 mm |

Assembly

4 unshielded pairs

| | | |
|---|--|-----------------------|
| ① | | Blue / White blue |
| ② | | Brown / White brown |
| ③ | | Orange / White orange |
| ④ | | Green / White green |

Sheath

| | |
|----------|----------------------------------|
| Material | LSZH |
| Color | Grey RAL 7035 |
| Diameter | \varnothing 5.20 \pm 0.20 mm |

Weight

| | |
|-------------|----------|
| Linear mass | 34 kg/km |
|-------------|----------|

Marking of sheath

| | |
|----------|--|
| Printing | ISO 11801 - UTP CAT 5E LSZH EIA/ with XXX : Quantity in meter still available per reel DDDDD : Date code |
| | TIA 568A - elbaC 250405 - DDDDD - XXX m |

| | |
|-----------------|-----------------|
| Color / Process | Black / Ink jet |
|-----------------|-----------------|

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

Meet Standards

| | |
|--------------------|--------------------------------------|
| Electrical : | EIA/TIA 568A - ISO/IEC 11801 |
| Fire performance : | IEC 60332-1 NF C 32-070 Classe C2 |
| Fire reaction : | EN 50575:2014/A1:2016 |
| Smoke density : | IEC 61034 |
| Halogen free : | IEC 60754 |
| Environment : | European directive 2011/65/EU |
| Marking : | CE |

Electrical characteristics

| | |
|------------------------------|-----------------------|
| Impedance | 100 \pm 15 Ω |
| Max. conductor DC resistance | 94.8 Ω /km |
| Propagation velocity | 65% |

Performances

| Frequency MHz | Max attenuation dB/100m | NEXT dB | RL dB |
|------------------|----------------------------|------------|----------|
| 0.77 | 1.82 | 67.0 | 22.60 |
| 1.00 | 2.00 | 65.3 | 23.10 |
| 4.00 | 4.10 | 56.3 | 23.00 |
| 8.00 | 5.80 | 51.8 | 24.50 |
| 10.00 | 6.50 | 50.3 | 25.00 |
| 16.00 | 8.20 | 47.3 | 25.00 |
| 20.00 | 9.30 | 45.8 | 25.00 |
| 25.00 | 10.23 | 44.3 | 24.20 |
| 31.25 | 11.71 | 42.9 | 23.30 |
| 62.50 | 17.25 | 38.4 | 20.70 |
| 100.00 | 22.00 | 35.3 | 19.24 |

| Frequency MHz | ACR dB | ELFEXT dB | PS ELFEXT dB |
|------------------|-----------|--------------|-----------------|
| 0.77 | 64.0 | 66.0 | 63.0 |
| 1.00 | 62.3 | 63.8 | 60.8 |
| 4.00 | 53.3 | 51.7 | 48.7 |
| 8.00 | 48.8 | 45.7 | 42.7 |
| 10.00 | 47.3 | 43.8 | 40.8 |
| 16.00 | 44.3 | 39.7 | 36.7 |
| 20.00 | 42.8 | 37.7 | 34.7 |
| 25.00 | 41.3 | 35.8 | 32.8 |
| 31.25 | 39.9 | 33.9 | 30.9 |
| 62.50 | 35.4 | 27.8 | 24.8 |
| 100.00 | 32.3 | 23.8 | 20.8 |

Thermal characteristics

| | |
|-------------------------|-----------------|
| CPR fire reaction class | E _{ca} |
| Rated temperature | 60°C |

Packaging

| | |
|------|--------------------------|
| - G1 | : 100m / Shrinked PE bag |
| - R3 | : 305m / Easy Reel Box |
| - W5 | : 500m / Wooden Drum |

Notes