

## Technical specifications : Ref. 209011

|                              |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  |                 |
|------------------------------|---------|-------|-------|-------|--------|--------|--------|--------|-----------|----------|---------|---------|---------|--|--|-----------------|
| Type                         |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | U/UTP           |
| Categorie                    |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | Cat 6           |
| Transmission bandwidth       |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 250MHz          |
| Transfer rate                |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 1Gbps           |
| Conductor Diameter           | in      |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 0.008           |
| Conductor Material           |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | Flexible copper |
| Conductor type AWG           |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 24              |
| Conductor isolation Diameter | in      |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 0.038           |
| Conductor isolation Material |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | Polyethylene    |
| Crucifix filler              |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | Yes             |
| Outer sheath Diameter        | in      |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 0.224           |
| Outer sheath Material        |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | LSFH            |
| Outer sheath Thickness       | in      |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 0.024           |
| Rip cord                     |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | No              |
| Cable length                 | m       |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 0.5             |
| Data connector type          |         |       |       |       |        |        |        |        |           |          |         |         |         |  |  | RJ45            |
| Spark Test                   | Vac     |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 3000            |
| Nominal impedance            | Ω       |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 100             |
| Conductor resistance         | Ohm/km  |       |       |       |        |        |        |        |           |          |         |         |         |  |  | < 117           |
| Nominal speed                | %       |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 72              |
| Working voltage              | V       |       |       |       |        |        |        |        |           |          |         |         |         |  |  | 300             |
| Operating temperature        | °F      |       |       |       |        |        |        |        |           |          |         |         |         |  |  | -22 ... 158     |
| Frequencies                  |         | 1 MHz | 4 MHz | 8 MHz | 10 MHz | 16 MHz | 20 MHz | 25 MHz | 31,25 MHz | 62,5 MHz | 100 MHz | 200 MHz | 250 MHz |  |  |                 |
| NEXT (typ.)                  | dB/100m | 65    | 63    | 58.2  | 56.6   | 53.2   | 51.6   | 50     | 48.4      | 43.4     | 39.9    | 34.8    | 33.1    |  |  |                 |
| PS NEXT (typ.)               | dB/100m | 62    | 60.5  | 55.6  | 54     | 50.6   | 49     | 47.3   | 45.7      | 40.6     | 37.1    | 31.9    | 30.2    |  |  |                 |
| ACR-F (typ.)                 | dB/100m | 63.3  | 51.2  | 45.2  | 43.3   | 39.2   | 37.2   | 35.3   | 33.4      | 27.3     | 23.3    | 17.2    | 15.3    |  |  |                 |
| PS ACR-F (typ.)              | dB/100m | 60.3  | 48.2  | 42.2  | 40.3   | 36.2   | 34.2   | 32.3   | 30.4      | 24.3     | 20.3    | 14.2    | 12.3    |  |  |                 |
| Return losses                | dB      | 19    | 19    | 19    | 19     | 18     | 17.5   | 17     | 16.5      | 14       | 12      | 9       | 8       |  |  |                 |