

# CO 12 A

## CONSTRUCTION PROPERTIES

| material data   |           | dimension |
|---|-----------|-----------|
| 1°- Inner conductor: red copper   | CU        | ∅ 1,13 mm |
| 2°- Proofing in pigmentated Polyethylene with black carbon                | PEC       |           |
| 3°- Insulation: foam antiaging Polyethylene                               | PEE       | ∅ 4,90 mm |
| 4°- Proofing in pigmentated Polyethylene with black carbon                | PEC       |           |
| 5°- Tape: Aluminium/polyester/aluminium                                   | AL/PET/AL | 100 %     |
| 6°- Braid: tinned copper wires  | CU - Sn   | ∅ 5,60 mm |
| 7°- Film: Polyester   | PET       | 100 %     |
| 8°- Sheath: Polyvinylchloride antimigrating colours WHITE / AVORY / BLACK | PVC       | ∅ 6,70 mm |



## ELECTRICAL SPECIFICATIONS

|                               |        |          |
|-------------------------------|--------|----------|
| Screening Attenuation:        | dB     | >85      |
| Braid coverage                | %      | 48       |
| DC Resistance Inner Conductor | Ohm/Km | 17       |
| Outer Conductor               | Ohm/Km | 19       |
| Nominal Impedance             | Ohm    | 75 +/- 3 |
| Capacitance approx            | pF/m   | 52 +/- 2 |
| Velocity ratio                | %      | 85       |
| Maximum voltage (spark test)  | kV     | 3        |

| Return Loss     | SRL     |
|-----------------|---------|
| Frequency       |         |
| 20 - 470 MHz    | dB > 30 |
| 470 - 1500 MHz  | dB > 28 |
| 1500 - 2500 MHz | dB > 24 |

| Attenuation |    | dB/100 m |  |
|-------------|----|----------|--|
| Frequency   |    |          |  |
| 5 MHz       | dB | 1,0      |  |
| 50 MHz      | dB | 3,6      |  |
| 200 MHz     | dB | 8,0      |  |
| 300 MHz     | dB | 9,5      |  |
| 470 MHz     | dB | 12,4     |  |
| 860 MHz     | dB | 16,8     |  |
| 1000 MHz    | dB | 18,0     |  |
| 1750 MHz    | dB | 24,9     |  |
| 2150 MHz    | dB | 27,5     |  |
| 2500 MHz    | dB | 29,5     |  |
| 3000 MHz    | dB | 33,0     |  |

## MECHANICAL PROPERTIES

|                        |         |       |
|------------------------|---------|-------|
| Minimum bending radius | mm      | 20/50 |
| Total weight           | Kg / Km | 43    |
| Copper weight          | Kg / Km | 17    |

## CONFORMITY

EN50117  
EUROPEAN NORM RoHS

TECHNICAL DATAS mod.TC15

latest issue date

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sign


