

COAXIAL CABLES IN ACCORDANCE TO TELECOM-I STANDARD CT 823

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MECHANICAL CHARACTERISTICS

Inner conductor

Material: Tinned copper

Dimension: Ø 0,26 mm

Insulation

Material: Foam polyethylene or foam-skin polyethylene

Dimension: Ø 1,40 mm

1° shield

Material: Aluminium/polyester/aluminium tape

2° shield

Material: Tinned copper braid

Jacket

Material: LSZH

Dimension: Ø 2,60 mm

For multicoax assembling overall polyester tape + overall LSZH sheath see table 1

ELECTRICAL CHARACTERISTICS AT 20 °C

Nominal capacitance at 800 ÷ 1.000 Hz: 70 pF/m

 Characteristic impedance at 1 MHz: $75 \pm 4 \Omega$

 Attenuation at:

- 1 MHz $\leq 3,5$ dB/100 m
- 4 MHz $\leq 6,5$ dB/100 m
- 17 MHz $\leq 12,5$ dB/100 m

 Near-end crosstalk:

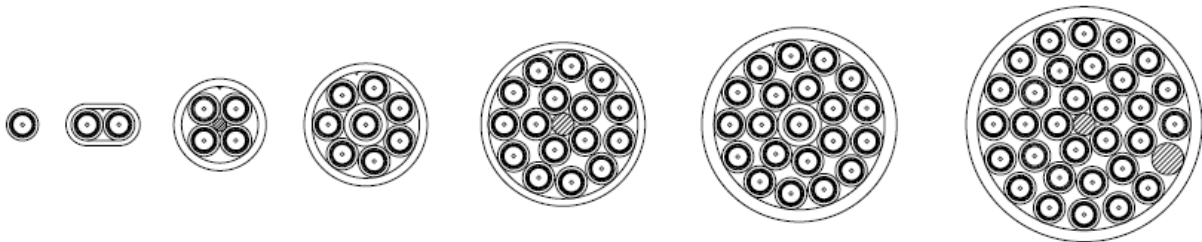
- ≥ 55 dB (0,3 ÷ 1 MHz)
- ≥ 65 dB (1 ÷ 30 MHz)

 Transfer impedance at 1 ÷ 30 MHz: ≤ 10 mΩ/m

 LE CARATTERISTICHE ELENCAE POSSONO ESSERE SOGGETTE A
 MODIFICHE SENZA ALCUN OBBLIGO DI PREAVVISO O COMUNICAZIONE

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TABLE 1			
Description	CD p/n	External Ø (mm)	Nominal weight (kg/km)
TCE2HH2 1(0,26/1,40)/M	980.630.326	2,6	11,5
TCE2HH2M 2(0,26/1,40)D/M	980.635.186	3,6x6,2	33
TCE2HH2M 4(0,26/1,40)/M	980.635.286	7,5	67
TCE2HH2M 8(0,26/1,40)/M	980.635.398	10,5	150
TCE2HH2M 16(0,26/1,40)/M	980.635.490	14,0	240
TCE2HH2M 21(0,26/1,40)/M	980.635.690	16,0	316
TCE2HH2M 32(0,26/1,40)/M	980.635.785	19,0	470



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1° shield

Material: Aluminium/polyester/aluminium tape

2° shield

Material: Tinned copper braid

Jacket

Material: LSZH

Dimension: Ø 2,60 mm

For multicoax assembling overall aluminum/polyester/aluminum tape and tinned copper + overall LSZH sheath see table 2

ELECTRICAL CHARACTERISTICS AT 20 °C

Nominal capacitance at 800 ÷ 1.000 Hz: 70 pF/m

Characteristic impedance at 1 MHz: $75 \pm 4 \Omega$

Attenuation at:

- 1 MHz $\leq 3,5$ dB/100 m
- 4 MHz $\leq 6,5$ dB/100 m
- 17 MHz $\leq 12,5$ dB/100 m

Near-end crosstalk:

- ≥ 55 dB (0,3 ÷ 1 MHz)
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Transfer impedance at 1 ÷ 30 MHz: ≤ 10 mΩ/m

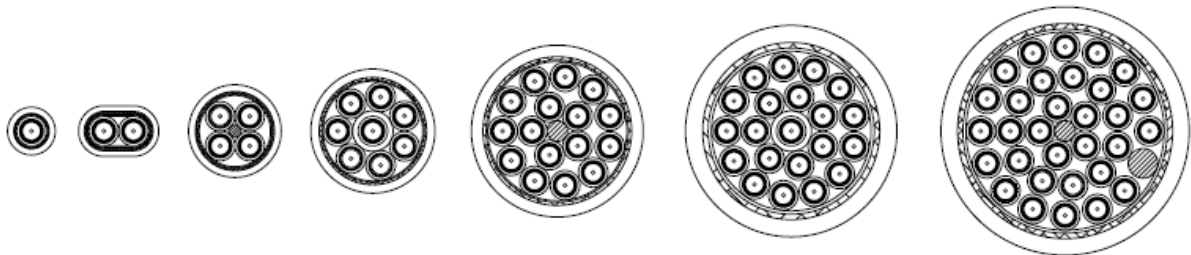
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TABLE 2		
Description	External Ø (mm)	Nominal weight (kg/km)
TCE2HH2 1(0,26/1,40)/M/HH2M	4,0	30
TCE2HH2M 2(0,26/1,40)D/HH2M	4,2x6,8	55
TCE2HH2M 4(0,26/1,40)/HH2M	8,2	95
TCE2HH2M 8(0,26/1,40)/HH2M	11,2	175
TCE2HH2M 16(0,26/1,40)/HH2M	14,7	295
TCE2HH2M 21(0,26/1,40)/HH2M	18,0	392
TCE2HH2M 32(0,26/1,40)/HH2M	21,0	565


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