

**Code : 612T0022****Description : TCE2HH2M-2(0,4/1,9)D/M Grey****Inner Conductor**

		<i>u/m</i>
Material	Solid Tinned Copper	
Diameter	0,40 ± 0,01	mm
Nominal Section	0,126	mm <sup>2</sup>

**Dielectric**

		<i>u/m</i>
Material	Cellular Polyolefin or Foam-Skin	
Colour	Natural	
Diameter	1,90 ± 0,08	mm

**Outer Conductor**

	<b><i>I°</i></b>	<b><i>II°</i></b>	
Material	Aluminum/Polyester/Aluminum (nominal thickness 65μ)	Tinned Copper	
Diameter of strands	-	0,10	mm
Type of shield	Tape - (Longitudinal)	Braid	
Coverage	100 - (overlap ≥ 4mm)	≥ 80	%

**Sheath**

		<i>u/m</i>
Material	LSZH	
Colour	Grey Ral 7001 Numbered 1 ÷ 2	
Overall Diameter	3,10 ± 0,10	mm
Average Thickness	0,25	mm

**The two single coax are parallelly assembled.****Sheath**

		<i>u/m</i>
Material	LSZH	
Colour	Grey Ral 7001	
Max Overall Diameter	5 x 8	mm
Average Thickness	0,50	mm
Marking :	TECNIKABEL (*) – ITALY – ( Month / Year ) – TCE2HH2M-2(0,4/1,9)D/M – TELECOM-I CT 1320 – CEI 20-37 – CEI 20-22 III – CE – Eca – metric marking	

(\*) = Production site:

(A) = Almese

(V) = Volpiano

**Code : 612T0022****Description : TCE2HH2M-2(0,4/1,9)D/M Grey*****Electrical Characteristics***

- Resistance of the inner conductor at 20°C :  $\leq 145 \Omega/\text{km}$
- Resistance of the outer conductor at 20°C :  $\leq 25 \Omega/\text{km}$
- Test Voltage (Between conductor and shield) : 2000 Vd.c. x 1 minute
- Insulation Resistance at 20°C :  $\geq 10 \text{ G}\Omega\text{xkm}$
- Nominal Capacitance at 800 ÷ 1000 Hz : 60 pF/m
- Characteristic Impedance at 1 MHz :  $75 \pm 3 \Omega$
- Worst echo corrected :  $\geq 40 \text{ dB}$  for the 90% of the lenght  
35 ÷ 40 dB for the 10% of the lenght
- Attenuation at 1 MHz : 2 dB/100m  
4 MHz : 4 dB/100m  
17 MHz : 8 dB/100m
- Near-End Crosstalk 0,3 ÷ 1 MHz :  $\geq 70 \text{ dB}$   
1 ÷ 30 MHz :  $\geq 80 \text{ dB}$
- Transfer Impedance at 1 ÷ 30 MHz :  $\leq 10 \text{ m}\Omega/\text{m}$

***Fire Performance***

- Halogen acid gas emission  $\leq 0,3 \%$  when tested accordance to CEI 20-37/2 (IEC 754-1-1994)
- Smoke emission (Transmittance)  $\geq 45 \%$  when tested accordance to CEI 20-37/4-5 (IEC 1034-2-1991÷1993)
- Toxicity of evolved gas  $\leq 2 \%$  when tested accordance to CEI 20-37/7 (Nes 713)
- Fire propagation complying with CEI 20-22 III (IEC 332.3 C)
- CPR Classification: Eca

***Technical Office******BENTIVOGLIO Davide******Date******12/05/00***