

**Code : 612T0009**
**Description : TCE2HH2M-32(0,4/1,9)/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**

	<i>I°</i>	<i>II°</i>	
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 ÷ 32	
Overall Diameter	3,10 ± 0,10	mm
Average Thickness	0,25	mm

**32 elements assembled in layers ( 5 + 11 + 16 ) around a central filler and using a dummy element for a better roundness.**

**Total laid-up protective by synthetic foil.**

**Sheath**

		<i>u/m</i>
Material	LSZH	
Colour	Grey Ral 7001	
Max Overall Diameter	23	mm
Average Thickness	0,80	mm
Marking : <b>TECNIKABEL (TO) – ITALY – ( Month / Year ) – TCE2HH2M-32(0,4/1,9)/M – TELECOM-I CT 1320 – CEI 20-37 – CEI 20-22 III – CE – Eca – metric marking</b>		

(\*) = Production site:

(A) = Almese

(V) = Volpiano

**Code : 612T0009****Description : TCE2HH2M-32(0,4/1,9)/M Grey*****Electrical Characteristics***

- Resistance of the inner conductor at 20°C	: ≤ 145 Ω/km
- Resistance of the outer conductor at 20°C	: ≤ 25 Ω/km
- Test Voltage (Between conductor and shield)	: 2000 Vd.c. x 1 minute
- Insulation Resistance at 20°C	: ≥ 10 GΩxkm
- Nominal Capacitance at 800 ÷ 1000 Hz	: 60 pF/m
- Characteristic Impedance at 1 MHz	: 75 ± 3 Ω
- Worst echo corrected	: ≥ 40 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	: ≥ 70 dB
1 ÷ 30 MHz	: ≥ 80 dB
- Transfer Impedance at 1 ÷ 30 MHz	: ≤ 10 mΩ/m

***Fire Performance***

- Halogen acid gas emission ≤ 0,3 % when tested accordance to CEI 20-37/2 (IEC 754-1-1994)
- Smoke emission (Transmittance) ≥ 45 % when tested accordance to CEI 20-37/4-5 (IEC 1034-2-1991÷1993)
- Toxicity of evolved gas ≤ 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******Date******BENTIVOGLIO Davide*****19/10/98**