

**Description : TCE2HH2M-16(0,4/1,9)/M Grey**

**Code : 612T0011**

## Inner Conductor

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

## Dielectric

		u/m
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

		u/m
Material	LSZH	
Colour	Grey Ral 7001 Numbered 1 ÷ 16	
Overall Diameter	3,10 ± 0,10	mm
Average Thickness	0,25	mm

*16 elements assembled in layers ( 5 + 11 ) around a central filler.  
Total laid-up protective by synthetic foil.*

## Sheath

		u/m
Material	LSZH	
Colour	Grey Ral 7001	
Max Overall Diameter	16	mm
Average Thickness	0,70	mm
Marking :	TECNIKABEL (*) – ITALY – ( Month / Year ) – TCE2HH2M-16(0,4/1,9)/M – TELECOM-I CT 1320 – CEI 20-37 – CEI 20-22 III – CE – Eca – metric marking	

(\*) = Production site:  
(A) = Almese  
(V) = Volpiano

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**Davide BENTIVOGLIO**

**Technical Office**

For Further information on this product or any other product within our range, or for any advice, Please contact **Tecnikabel s.r.l.**, Via Brandizzo 243, 10088 - Volpiano (TO), Italy ☎ 011-9951997, Fax 📠 011-9953062  
All information on this sheet is believed to be reliable. Users should however consult Tecnikabel s.r.l.  
Information and Data may be changed without notice.

**Description : TCE2HH2M-16(0,4/1,9)/M Grey****Code : 612T0011****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

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