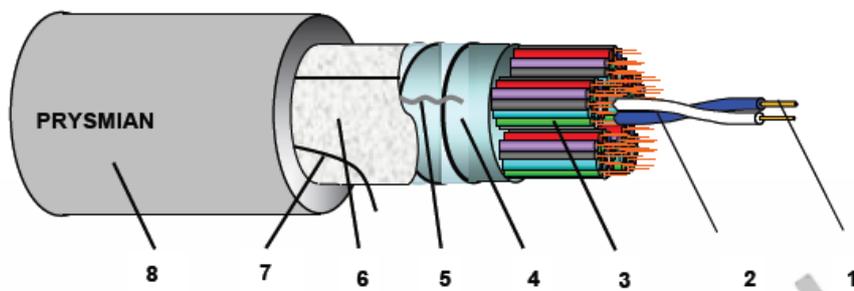


## Multi-twisted pair cables for ADSL systems

Polyethylene compound insulated, aluminium shielded and LSOH sheathed

### Cable design



- 1) Copper conductor
- 2) Polyethylene insulation
- 3) Subunit
- 4) Wrapping tape
- 5) Continuity wire
- 6) Screening foil
- 7) Rip cord
- 8) Outer LSOH sheath

### Cable construction

Part number 60009667

<b>Conductor:</b>	Annealed solid copper wire Nominal diameter 0.40 ± 0.01mm
<b>Insulation:</b>	Polyethylene compound Average minimum thickness 0.15 mm
<b>Cabling element:</b>	Pairs with colour scheme as shown in table 1
<b>Stranding of pairs:</b>	The pairs are stranded into 3 subunits or 8 pairs to form a compact and circular cable core.
<b>Subunit Identification:</b>	Coloured tapes or threads as shown in table 2
<b>Wrapping tape:</b>	One or more synthetic tapes <sup>1</sup>
<b>Continuity wire:</b>	Tinned copper wire Nominal diameter 0.4 mm
<b>Screen:</b>	AL / PET tape (aluminium thickness ≥ 0.05 mm)
<b>Rip cord</b>	
<b>Outer sheath:</b>	Low Smoke Halogen Free (LSOH) flame retardant Thermoplastic compound (Grey RAL7001) Thickness as shown in table 1
<b>Overall dimensions:</b>	See table 1

### Sheath marking

**PRYSMIAN** (x) mm/yyyy **TE 24x2x0.4 GH/M LOT** ..... "metric" **M**

x	= factory code
mmyy/yy	= production month and year (es. 09/2007)
.....	= production batch
color	= blue or black

### Code

**TXDS/A4M**  
Part number: 60009667

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### Electrical properties at 20 °C

Maximum D.C. conductor resistance	Ohm/km	≤ 153
Nominal mutual capacitance at 800 Hz	pF/m	50
Maximum capacitance unbalance	pF/500m	≤ 500
D.C. insulation resistance	Mohm x km	≥ 10000
D.C. voltage test: - conductors and screen	V dc x 60 sec	2500
Crosstalk at 1 MHz (NEXT and EL-FEXT)	dB/250m	≥ 55
Impedance @ 150 kHz	ohm	120 +/- 15
Attenuation @ 150 kHz	dB/km	≤ 14
@ 300 kHz	dB/km	≤ 17
@ 1000 kHz	dB/km	≤ 31
Spark test on outer sheath	kV ca	2

### Fire performance

Flammability (single cable) according to CEI EN 60332-1-2

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Figure 1 - Dimensions and mechanical

Cable type	Schematic drawing	Sheath minimum thickness (mm)	Maximum cable diameter (mm)	Minimum bending radius (mm)	Maximum installation load (N)
TE 24x2x0.4 GH/M	Figure 1	0.6	11.0	75	360

Table 2 - Colour scheme

Sub-unit Number	Pairs Number	Colour of insulation		Sub-unit identification (lapping colour)
		a wire	b wire	
1	1	white	blue	Blue
	2	white	orange	
	3	white	green	
	4	white	brown	
	5	red	blue	
	6	red	orange	
	7	red	green	
	8	red	brown	
2	9	white	blue	orange
	10	white	orange	
	11	white	green	
	12	white	brown	
	13	red	blue	
	14	red	orange	
	15	red	green	
	16	red	brown	
3	17	white	blue	green
	18	white	orange	
	19	white	green	
	20	white	brown	
	21	red	blue	
	22	red	orange	
	23	red	green	
	24	red	brown	

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