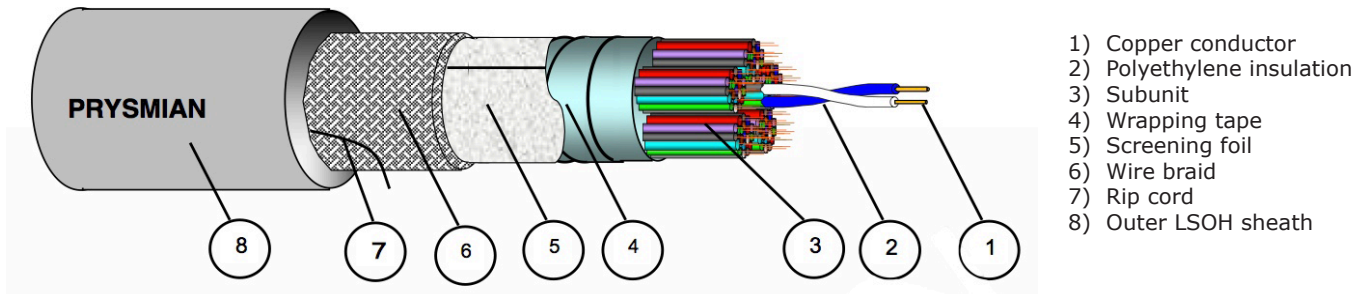


## Equipment cables

96 pairs - TE 8 x (12 x 2 x 0.4) GHH2/M

### Cable design



### Cable construction 96 pairs - TE 8 x (12 x 2 x 0.4) GHH2/M

<b>Conductor:</b>	Annealed solid copper wire Diameter 0.40 ± 0.01mm
<b>Insulation:</b>	Halogen free 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 8 subunits or 12 pairs.
<b>Subunit Identification:</b>	Coloured tapes or threads as shown in table 2
<b>Wrapping tape:</b>	One or more synthetic tapes
<b>Screen:</b>	AL / PET tape (aluminium thickness ≥ 0.05 mm)
<b>Braid wire:</b>	Tinned copper wire, diameter ≥ 0.10 mm Coverage ≥ 30%
<b>Rip cord</b>	
<b>Outer sheath:</b>	Low Smoke Halogen Free (LSOH) flame retardant Thermoplastic compound (Grey RAL7032) Nominal thickness 1.0 mm

**Overall cable diameter:** 16.5 mm

### Sheath marking

**PRYSMIAN** (x) mm/yyyy **TE 8 ( 12x2x0.4) GHH2/M** "meter marking" **M**

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

### Prysmian Code

**5007261**

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## Equipment cables

96 pairs - TE 8 x (12 x 2 x 0.4) GHH2/M

Pairs Number	Colour of insulation	
	a wire	b wire
1	white	blue
2	white	orange
3	white	green
4	white	brown
5	white	grey
6	red	blue
7	red	orange
8	red	green
9	red	brown
10	red	grey
11	black	blue
12	black	orange

Unit number	Group identification (lapping colour)
1	White - Blue
2	White - Orange
3	White - Green
4	White - Brown
5	White - Grey
6	Red - Blue
7	Red - Orange
8	Red - Green

### 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	≤ 400	
D.C. insulation resistance	Mohm x km	≥ 10000	
D.C. voltage test:			
- conductor and conductor	V dc x 3 sec	1500	
- conductors and screen	V dc x 3 sec	1500	
Crosstalk at 1 MHz (NEXT and EL-FEXT)	dB/250m	≥ 55	
Impedance	@ 150 kHz	ohm	120 +/- 15
	@ 150 kHz	dB/km	≤ 14
	@ 300 kHz	dB/km	≤ 17
	@ 1000 kHz	dB/km	≤ 31
Transfer impedance 1-30 MHz (IEC1196-1)	mOhm/m	≤ 10	

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