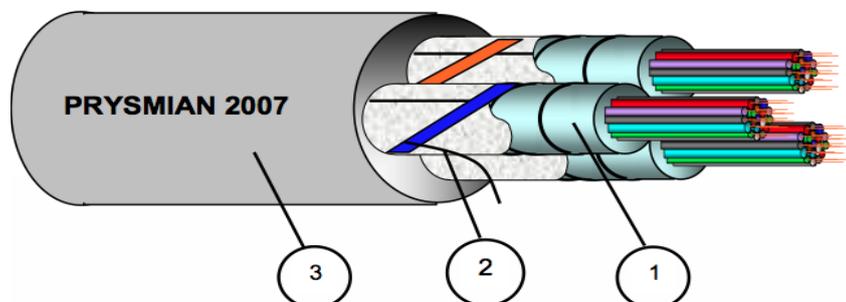


Equipment cables

72 pairs - TE 3 x (24 x 2 x 0.4H)G/M

Cable design



- 1) Three screened 24 pair bundles
- 2) Non metallic rip cord
- 3) Outer LSOH sheath

Cable construction 72 pairs - TE 3 x (24 x 2 x 0.4H)G/M

Conductor:	Annealed solid copper wire Diameter 0.40 ± 0.01mm (26AWG)
Insulation:	Halogen free polyethylene compound Minimum thickness 0.13 mm Nominal diameter 0.74 mm
Cabling element:	Pairs with lay length ≤ 75 mm
Colour code:	According to IEC Publication 189/2, Appendix A and IEC Publication 304
Stranding of 24 pairs:	In concentric layers to form a compact and circular bundle (over each layer is applied a binding of tape or threads, as required to aid manufacture)
Wrapping tape:	One or more synthetic tapes; the tape is applied longitudinally with a slow-turn spiral and an overlap ≥ 20%
Drain wire:	Tinned copper wire, nominal diameter 0.4mm
Screen (electrostatic):	ALU/PET/ALU tape with a total aluminium thickness ≥ 24 µm The tape is applied longitudinally with a slow-turn spiral and an overall ≥ 40%
Units identification:	Coloured tapes (blue-orange-green)
Cable core:	Stranding of three screened 24 pair bundles
Rip cord:	Non metallic rip cord
Outer sheath:	Low Smoke Halogen Free (LSOH) flame retardant compound (Grey RAL7032) Minimum thickness 0.75mm
Outer cable diameter:	16.5 +0/2 mm
Static bending:	4x OD

Sheath marking

PRYSMIAN (x) - aaaa - **ALCATEL-LUCENT**

x = factory code

aaaa = production year (es. 2007)

Printing interval: 300 mm, color: blue or black

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Equipment cables

72 pairs - TE 3 x (24 x 2 x 0.4H)G/M

Electrical properties at 20 °C

D.C. electrical resistance of each conductor	max. \leq 146.8 ohm/km
Voltage test for 1 minute	1000 V _{AC} or 1500 V _{DC}
Insulation resistance	min. \geq 1000 MOhm*km
Maximum mutual capacitance (500-2000 Hz)	\leq 70 nF/km
Capacitance unbalance, pair to earth	99% values \leq 750 pF/500ms 100% values \leq 1500 pF/500m
Attenuation	\leq 19 dB/km @ 300 kHz \leq 33 dB/km @ 1MHz \leq 110 dB/km @ 10 MHz
Near-End and Far-End crosstalk	\geq 52 dB @ 1 MHz \geq 37 dB @ 10 MHz
Impedance	100 \pm 15 ohm @ 1 MHz and 10 MHz
Transfer impedance @ 0.1-30 MHz	Less or equal than the D.C. resistance of the screen

Fire performances

Flammability (single cable) according to IEC 60332-1

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