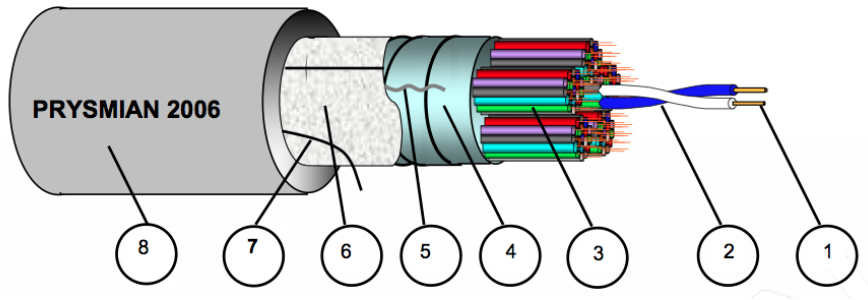


Equipment cables

24 pairs - TE 24 x 2 x 0.4 HM - without braid

Cable design

Optimised EMC Alu shielded multi twisted pair 26 AWG cable, for ADSL systems



- 1) Copper conductor
- 2) Polyethylene insulation
- 3) Cabling element (concentric layers)
- 4) Wrapping tape
- 5) Drain wire
- 6) Screening foil
- 7) Rip cord
- 8) Outer LSOH sheath

Cable construction 24 pairs = TE 24 x 2 x 0.4 HM

Conductor:	Annealed solid copper wire Diameter 0.40 ± 0.01 mm (AWG 26)
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 pairs:	Stranding of 24 pairs in 3 concentric layers to form a compact and circular bundle (Over each layer a binding of tape or threads is applied, 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 $\geq 20\%$
Drain wire:	Tinned copper wire, nominal diameter 0.4 mm
Screen (electrostatic):	ALU/PET/ALU tape with a total aluminium thickness $\geq 24 \mu\text{m}$; The tape is longitudinally with a slow-turn spiral and an overlap $\geq 40\%$
Wrapping:	Binding tapes (natural)
Rip cord:	Non-metallic rip cord
Outer sheath:	Low smoke halogen free (LSOH) flame retardant compound (Grey RAL7032) Minimum thickness: 0.6 mm
Outer cable diameter:	9.4 mm (nominal)

Sheath marking

PRYSMIAN (x) - aaaa

x = factory code
aaaa = production year (es. 2012)

Interval: 300 mm
Color: blue or black

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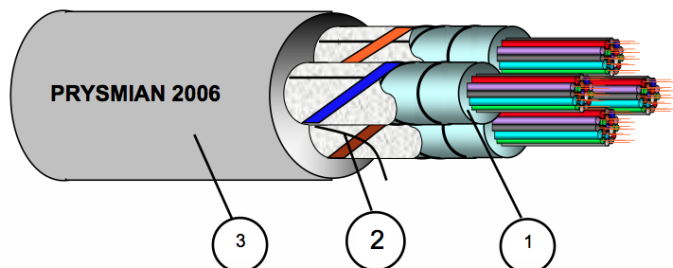
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Equipment cables

96 pairs - TE 4 x (24 x 2 x 0.4H)G/M - without braid

Cable design

Optimised EMC ALU shielded multi twisted pair 26 AWG cable, for ADSL systems



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

Cable construction 96 pairs = TE 4 x (24 x 2 x 0.4 H)G/M

Conductor:	Annealed solid copper wire Diameter 0.40 ± 0.01 mm (AWG 26)
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 pairs:	Stranding of 24 pairs in 3 concentric layers to form a compact and circular bundle (Over each layer a binding of tape or threads is applied, 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 $\geq 20\%$
Drain wire:	Tinned copper wire, nominal diameter 0.4 mm
Screen (electrostatic):	ALU/PET/ALU tape with a total aluminium thickness $\geq 24 \mu\text{m}$; The tape is longitudinally with a slow-turn spiral and an overlap $\geq 40\%$
Units identification:	Coloured tapes (blue-orange-green-brown)
Cable core:	Stranding of four screened 24 pair bundles
Rip cord:	Non-metallic rip cord
Outer sheath:	Low smoke halogen free (LSOH) flame retardant compound (Grey RAL7032) Minimum thickness: 0.75 mm
Outer cable diameter:	21 mm (nominal)

Sheath marking

PRYSMIAN (x) - aaaa

x = factory code
aaaa = production year (es. 2012)

Interval: 300 mm
Color: blue or black

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Equipment cables

24 pairs and 96 pairs - 26 AWG - Without braid

Electrical data at 20°C

D.C. electrical resistance of each conductor:	max. ≤ 146.8 Ohm / Km
Voltage test for 1 minute:	1000 V a.c. or 1500 V d.c.
Insulation resistance:	Min. ≥ 1000 Mohm*km
Maximum mutual capacitance (500-2000 Hz):	≤ 70 nF/km
Capacitance unbalance: pair to earth:	99% values ≤ 750 pF/500 m 100% values ≤ 1500 pF/500 m
Attenuation:	≤ 19 dB/km @ 300 kHz ≤ 33 dB/km @ 1 MHz ≤ 110 dB/km @ 10 MHz
Near-end and Far-end crosstalk:	≥ 52 dB @ 1 MHz ≥ 37 dB @ 10 MHz
Impedance:	100 ± 15 ohm @ 1 and 10 MHz
Transfer impedance @ 0.1-30 MHz:	Less than or equal to the D.C. resistance of the screen

Fire performance

Flammability (single cable) according to IEC 60332-1