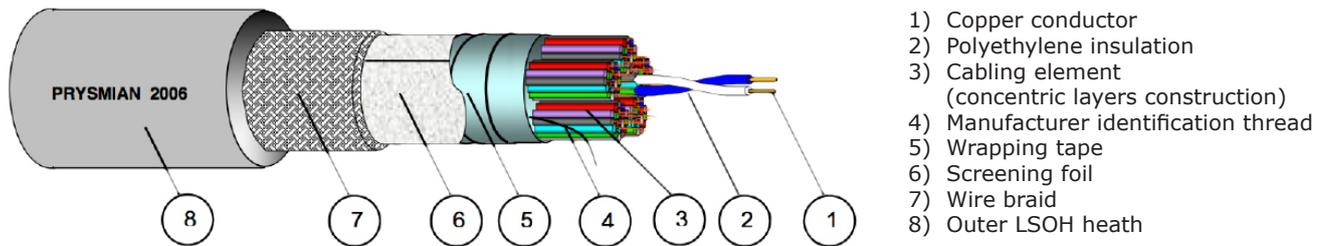


Equipment cables

24 x 2 x 0.4 mm cables

Cable design

EMI/RFI shielded, halogen free plastic compound insulated and sheathed multi-twisted pair
26 AWG (0.4 mm) cables



- 1) Copper conductor
- 2) Polyethylene insulation
- 3) Cabling element
(concentric layers construction)
- 4) Manufacturer identification thread
- 5) Wrapping tape
- 6) Screening foil
- 7) Wire braid
- 8) Outer LSOH sheath

Cable construction 24 x 2 x 0.4 mm (PRYSMIAN CODE 5002498)

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 pairs to form a compact and circular cable
Identification thread:	PRYSMIAN thread (green / brown)
Wrapping tape:	One or more synthetic tapes
Screen:	AL / PET tape (aluminium thickness ≥ 0.05 mm)
Braid wire:	Tinned copper wire, diameter ≥ 0.10 mm ≤ 0.20 mm Coverage ≥ 50%
Outer sheath:	Low smoke halogen free (LSOH) flame retardant thermoplastic compound (Grey RAL7032) Minimum thickness: 0.6 mm
Outer cable diameter:	9.5 mm

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 x 2 x 0.4 mm cables

Electrical data at 20°C

D.C. electrical resistance of each conductor:	≤ 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):	≤ 100 nF/km
Capacitance unbalance: pair to earth:	99% values ≤ 750 pF/500 m 100% values ≤ 1500 pF/500 m
Attenuation:	≤ 33 dB/km @ 1 MHz ≤ 110 dB/km @ 10 MHz
Near-end and Far-end crosstalk:	≥ 55 dB @ 1 MHz ≥ 40 dB @ 10 MHz
Impedance:	100±15 ohm @ 1 and 10 MHz
Transfer impedance:	@ 30 MHz 11 mohm/m @ 100 MHz 36 mohm/m @ 300 MHz 110 mohm/m @ 1000 MHz 360 mohm/m

Fire performance

Flammability (single cable) according to IEC 60332-1