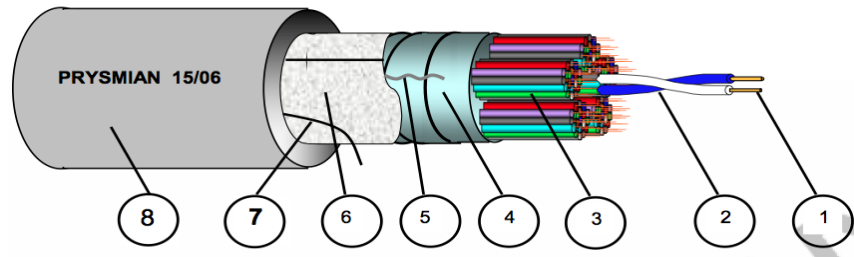


Multicore 32 pairs 0.4 mm cable

Aluminium shielded

Cable design

Reference: ALCATEL LUCENT code 1AC 02302 0001
TYCO part numbers 1820149-1
PRYSMIAN code 5003166



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

Cable construction TE 32 x 2 0.4 GH/R

Conductor:	Annealed solid copper wire Diameter 0.40 mm (AWG 26)
Insulation:	Polyethylene compound Nominal thickness: 0.15 mm
Cabling element:	Pairs with lay length \leq 45 mm
Colour code:	Table 1
Stranding of pairs:	4 groups of 8 pairs
Group identification tape:	white, blue, yellow, brown
Wrapping tape:	One or more synthetic tapes
Drain wire:	Tinned copper wire of 0.5 mm
Screen (electrostatic):	ALU/PET/ALU tape with a total aluminium thickness \geq 24 μ m The tape is applied longitudinally or with a slow-turn spiral
Rip cord:	Rip cord
Outer sheath:	PVC (Grey RAL7001) Nominal thickness 1.0 mm
Outer cable diameter:	Nominal 11 mm; maximum 12.4 mm
Net cable weight:	150 kg/km
Minimum bending radius:	110 mm
Temperature range:	0 \div 50 ° C installations -20 \div 70 ° C working

Environmental

- a) Fire Performance: Flammability (single cable) according IEC 60332-1 and NFC 32-070 category C2
- b) The cable will be compliant to the RoHs directive 2002/95/EC

© PRYSMIAN GROUP 2012, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.

Multicore 32 pairs 0.4 mm cable

Aluminium shielded

Sheath marking

metric ALCATEL LUCENT MULTICODE 32X2X0.4 - ww/aa - xxxxxxxxx - PRYSMIAN (f)

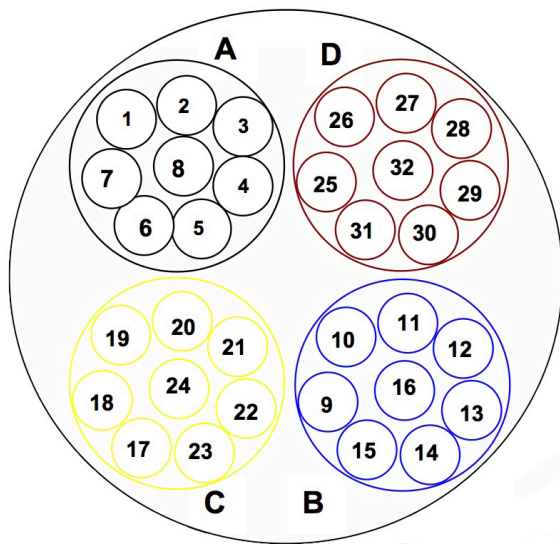
ww/aa = product week and year (es. 15/06)

xxxxxxxxxx = cable code (1AC 02302 0001)

f = factory code

Printing interval: 1m, color: blue or black

Table 1 - Colour scheme and position of the pairs



Pair number	Insulation colour		Group
	Wire a	Wire b	
1	Light blue	White	A (white)
2	Light blue	Dark blue	
3	Light blue	Yellow	
4	Light blue	Brown	
5	Light blue	Black	
6	Light blue	Red	
7	Light blue	Green	
8	Grey	White	
9	Grey	Dark blue	B (blue)
10	Grey	Yellow	
11	Grey	Brown	
12	Grey	Black	
13	Grey	Red	
14	Grey	Green	
15	Orange	White	
16	Orange	Dark blue	
17	Orange	Yellow	C (yellow)
18	Orange	Brown	
19	Orange	Black	
20	Orange	Red	
21	Orange	Green	
22	Violet	White	
23	Violet	Dark blue	
24	Violet	Yellow	
25	Violet	Brown	D (brown)
26	Violet	Black	
27	Violet	Red	
28	Violet	Green	
29	White	Light blue	
30	White	Grey	
31	White	Orange	
32	White	Violet	

Electrical data at 20°C

D.C. electrical resistance of each conductor

Max. ≤ 150 Ohm / Km

Voltage test for 1 minute

1000 V a.c. or 1500 V d.c.

Insulation resistance

Min. ≥ 1000 Mohm*Km

Impedance

100±20 ohm @ 700 kHz

Attenuation:

≤ 27 dB/km @ 700 kHz

Near-end and Far-end crosstalk

≥ 50 dB @ 700 kHz

≥ 35 dB @ 7 MHz