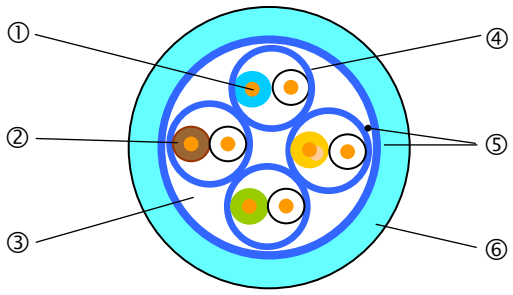
ACOHOME MTVS
(Multimedia, Telephony & Satellite TV)

Applications

Distribution in housing applications Triple Play:
- Analog and digital television (DTT and HDTV) on the VHF / UHF (900 MHz) and satellite (2200 MHz).
- Internet : very high speed data transmission.
- Multimedia (video games, video surveillance)
- IP Phone and analog.
- IP TV

These cables allow simultaneous transmission of multiple applications.
They must be used with housings adapted communication



Colours code

4 pairs

White + Blue
White + Orange
White + Green
White + Brown

Description

① - ***Diameter of conductor*** : 23AWG
② - ***Insulation*** : Pe Ø 1,47 mm
③ - ***Cable assembly*** : 4 pairs
④ - ***Individual screen around each pair*** : Alu/Polyester tape
⑤ - ***Shielding*** : Alu/Polyester tape and continuity wire
⑥ - ***Sheath material*** : LSOH

Pair N°4 (White + Brown) dedicated for TV VHF/UHF transmission and satellite

Directive/standard

- ***Cable*** : EN 50 441-2
- ***Cabling*** : Guide UTE C 90483
- ***Installation*** : NF C 15-100
- ***Directive*** : RoHS 2002/95/EC

Fire resistance

Sheath LSOH

IEC 60332-1
NF C 32-070 2.1 (C2)

(low smoke emission)
IEC 60754-1
IEC 60754-2
IEC 61034

Additional information and references

Reference	Type	Colour	Max diameter	Weight	PCS (superior calorific capacity)		Max. pulling tension (N)
			mm	Kg/km	MJ/Km	KWh/m	
R7400A	4P LSOH	Ivory	7,80	60	630	0,175	100

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Packaging

Reel packaging	
100 m	500 m
Coil	Drum KL

Palettes packaging 1 200 x 800	
100 m	500 m
60 coil	12 Drum KL

Weight loaded drum	
Coil	Drum KL
6 kg	35 kg

Weight loaded palette	
60 coil	12 Drum KL
374 kg	418 kg

Mechanical characteristics

Bending radius	Dynamic (installation)	≥ 60 mm
	Static (installed)	≥ 30 mm
Temperature range	In service	- 20°C à + 60°C
	At the installation	0°C à + 50°C
	Transport and storage	0°C à + 50°C

Electrical characteristics at *20°C*

Complete conductor resistance		≤ 146,4 Ω / km
Resistance unbalance		≤ 2 %
Dielectric strength	Continuous current 50 Hz	1kV during 1 minute = no breakdown
Insulation resistance	(500 V)	≥ 5000 MΩ . km
Capacitance unbalance	Real-ground	≤ 1600 pF / km
Characteristic impedance	at 100 MHz	100 ± 5 Ω
Velocity	nominal	66 %
Complete conductor resistance	at 30 MHz	≤ 30 mΩ / m

Electrical characteristics at 20°C

		Generals characteristics for all pairs							Specific characteristics pair n°4	
Frequency (MHz)		**4**	**62.5**	**100**	**250**	**300**	**600**	**900**	**1500**	**2200**
Max. attenuat. (dB/100m)	*Typical value*	1.9	14.1	18	29.4	32.5	47.6	60	81	102
	Limit	3.6	14.5	18.5	31	33.4	49	62	Under study	Under study
Min. Next (dB)	*Typical value*	90	90	85	77	76	73	70	-	-
	Limit	75	72	69	63	62	58	55	-	-
Min. Next (dB) paire satellite	*Typical value*	95	95	90	80	79	76	73	-	-
	Limit	75	75	75	73	72	68	65	-	-
Return Loss (dB)	*Typical value*	26	26	24	22	21	19	17.5	12	10
	Limit	-	17.5	16.5	14.5	14.1	12.6	11.7	Under study	Under study

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