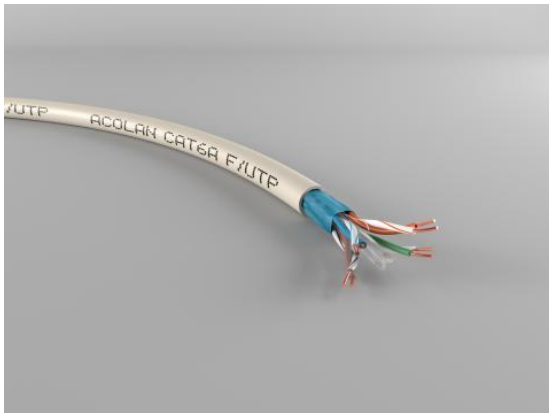


R7292A-T1000
ACOLAN® COPPER

F/UTP Cat.6A 550 MHz LSOH 2x4P DRUM 1000m - IVORY

BENEFITS

- Small diameter to minimize congestion
- Easy connections

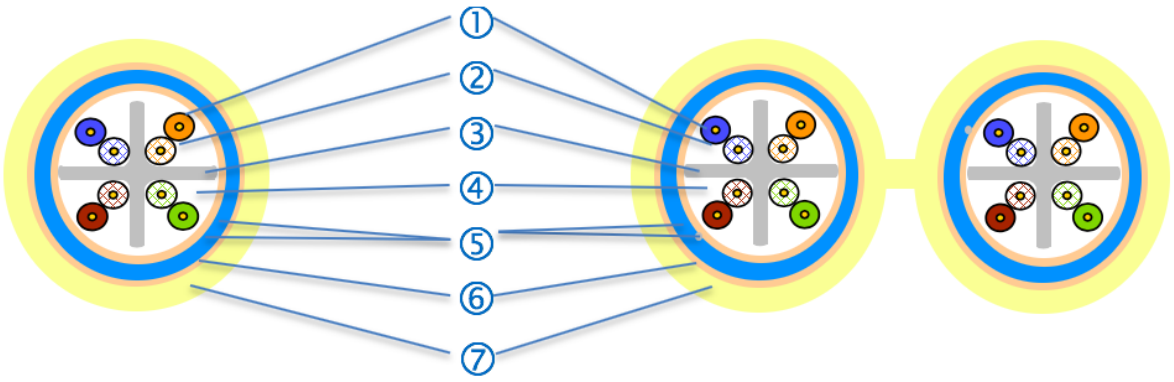
Available in short packaging length

APPLICATIONS

- 10 Gigabit high speed data transmission cables are designed for horizontal cable distribution local computer networks.
- These cables allow the use of the protocol supported by the EA class for the 10 GBASE-T applications.
- They are characterized of up to 550 MHz.
- They are compatibles with PoE, PoE+, UPoE & 4PPoE (PoE++) applications.

See our White Paper on installation conditions on www.acome.com also available on demand

GENERAL CHARACTERISTICS



1. Conductor	Solid annealed red copper wire AWG 24 Foam skin Pe insulation Æ ≤ 1.10 mm
2. Cable element	Cable assembly in Twisted Pairs
3. Separator	Symetrical cross separator
4. Cable	4 pairs assembly with overall polyester tape
5. Screen	Pet/Alu foil (Alu side inwards) and tinned drain wire AWG26
6. Protection	Polyester tape
7. External sheath	LSOH-FR: Low Smoke « Zero » Halogen – Flame Retardant

GENERAL

Designation ACOLAN	Ref.	Colour	Diameter	Weight	Superior calorific Capacity (PCS)		Max pulling tension
			mm	Kg/km	MJ/km	KWh/m	N
550 FU 4P LSOH-FR *	R7291A	Ivory (RAL 9001)	6,70	48	710	0,197	90
550 FUD 2x4P LSOH-FR	R7292A	Ivory (RAL 9001)	6.90 x 14.10	95	1422	0,395	180

*EC verified : in structure 4P

MECHANICAL

Characteristics		Values
Bending radius	Dynamic (installation)	≥ 50 mm
	Static (installed)	≥ 25 mm
Temperature range	In service	- 20°C at + 60°C
	At the installation	0°C at + 50°C
	Transport and storage	0°C at + 50°C

ELECTRICAL

Characteristics		Values	
Complete conductor resistance		≤ 190 Ω / km	
Resistance unbalance		≤ 2 %	
Dielectric strength	Continuous current	1kV during1 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	78 %	
Coupling attenuation		≥ 55 dB	TYPE 2
Transfer impedance	At 1 MHz	≤ 40 mΩ / m	GRADE 2
	At 10 MHz	≤ 40 mΩ / m	
	At 30 MHz	≤ 50 mΩ / m	
	At 100 MHz	≤ 200 mΩ / m	
Segregation classification acc. EN 50174-2		''c''	

NORMS AND STANDARDS

GENERAL

EC Certified

Applications
IEEE 802.3 :10Base-T; 100Base-TX;1000Base-T; 2,5GBase-T ; 5GBase-T ; 10GBase –T
IEEE 802.3 af (PoE) / 802.3 at (PoE+) / 802.3 bt (4PPoE 90W)
IEEE 802.5 / FDDI / ATM / RNIS

Cable
IEC 61156-5 ed.2 / EN 50288-10-1

Cabling system standards
ISO 11801 2nd ed. / EN 50173-1 / TIA-568.2-D

Cabling system installation standards
EN 50174

Directive / Regulation

RoHS 2011/65/UE

REACH 1907/2006/EC

EUROCLASS

FIRE BEHAVIOUR

Europe

Type	Euroclass	Standards	Declaration of performance	
4P	Dca-s2,d2,a2	IEC 60332-1, EN 50399, IEC 60754-2	16FUTP009	
2x4P			17FUTP010	

Outside Europe

No flame propagation	IEC 60332-1 / EN 60332-1
Low smoke opacity	IEC 61034-2 / EN 61034-2
Low gas corrosivity	IEC 60754-2 / EN 60754-2
Low toxicity	IEC 60754-1 / EN 60754-1

RECOMMENDATIONS

DELIVERY LENGTH

Type	References	Individual			Expedition		
		Type	Weight	EAN code	Quantity	Weight	EAN code
4P LSOH-FR	R7291A-C50	Coil of 50 m	2.35 kg	3700223699216	30 coils	85 kg	3700223699209
	R7291A-C100	Coil of 100 m	4.70 kg	3700223699223	30 coils	155 kg	3700223699230
	R7291A-B300	Box of 300 m	14.10 kg	3700223699247	18 boxes	268 kg	3700223699254
	R7291A-T500	KC Drum of 500 m	26 kg	3700223666829	18 drums	483 kg	3700223632657
	R7291A-T1000	XC Drum of 1000 m	51 kg	3700223666836	6 drums	323 kg	3700223633029
2x4P LSOH-FR	R7292A-C50	Coil of 50 m	4.70 kg	3700223699278	30 coils	155 kg	3700223699261
	R7292A-C100	Coil of 100 m	9.40 kg	3700223699292	30 coils	296 kg	3700223699285
	R7292A-T500	XC Drum of 500 m	52 kg	3700223666843	6 drums	324 kg	3700223633036