

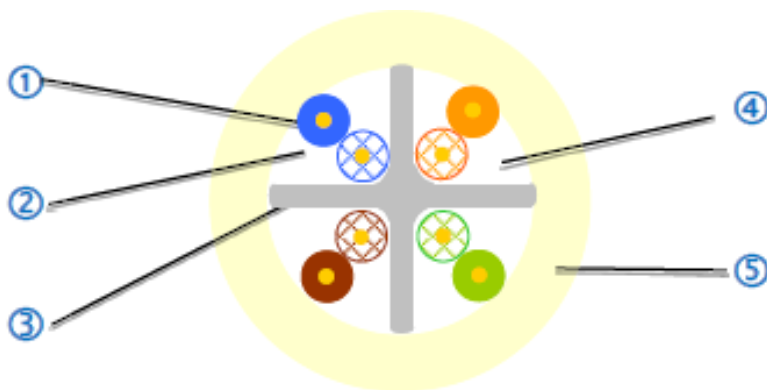
R7560A-ST4000 ACOLAN COPPER

U/UTP Cat.6 400 MHz LSOH 4P DRUM 4000m - IVORY

APPLICATIONS

- High speed data transmission cables are designed for backbone distribution local computer networks.
- These cables are permitted the protocol supported by the class E.
- They are characterized of up to 400 MHz.
- They are compatibles with PoE & PoE+, UPoE applications.

GENERAL CHARACTERISTICS



1. Conductor	Solid annealed red copper wire, AWG 24 Colored polyethylene insulation \pm 0.95 mm
2. Cable element	Cable assembly in Twisted Pairs
3. Separator	Symetrical cross separator
4. Stranding	4 pairs assembly
5. 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
400 UU 4P LSOH-FR	R7560A-S	Ivory	5.30	33	394	0.110	90

MECHANICAL

Characteristics		Values
Bending radius	Dynamic (installation)	≥ 45 mm
	Static (installed)	≥ 23 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

Transmission characteristics at 20° C

Characteristics		Values	
Complete conductor resistance		≤ 190 Ω / km	
Resistance unbalance		≤ 2 %	
Dielectric strength	Continuous current	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 %	
Coupling attenuation		≥ 40 dB	TYPE 3
Segregation classification acc. to EN 50174-2		"b"	

Frequency (MHz)		4	10	20	62.5	100	250	300**	450**	Attenuation (dB/100m)	Typical value	3.7	5.8	8.4	15.0	19.2	31.5	34.5	42	
Imposition (max)*	3.8	6	8.5	15.5	19.9	33	-	-												
Next (dB)	Typical value	69	63	59	51	48	42	41	38											
	Imposition (min)*	65.3	59.3	54.8	47.4	44.3	38.3	-	-											
ACR (dB)	Typical value	65.3	57.2	50.6	36	28.8	10.5	6.5												
	Imposition (min)*	61.5	53.3	46.3	31.9	24.4	5.3		-											
PS Next (dB)	Typical value	66	60	56	48	45	39	38	35											
	Imposition (min)*	63.3	57.3	52.8	45.4	42.3	36.3	-	-											
ELFEXT (dB/100 m)	Typical value	73	65	59	49	45	37	35	32											
	Imposition (min)*	58	50	44	34.1	30	22	-	-											
PS ELFEXT (dB/100 m)	Typical value	70	62	56	46	42	34	32	29											
	Imposition (min)*	55	47	41	31.1	27	19	-	-											
Return Loss (dB)	Typical value	27	27	27	25.8	25	22	22	21											
	Imposition (min)*	23	25	25	21.5	20.1	17.3	-	-											

* Category 6 according IEC 61156-5

** For information only

NORMS AND STANDARDS

GENERAL



Applications

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 2,5G Base-T,
IEEE 802.3 af (PoE) / 802.3 at (PoE+)
IEEE 802.5 / FDDI / ATM / RNIS

Cables

IEC 61156-5 ed.2 / EN 50288-6-1

Cabling system standard

ISO/IEC 11801 2nd ed. / EN 50173-1 / TIA-568.2-D

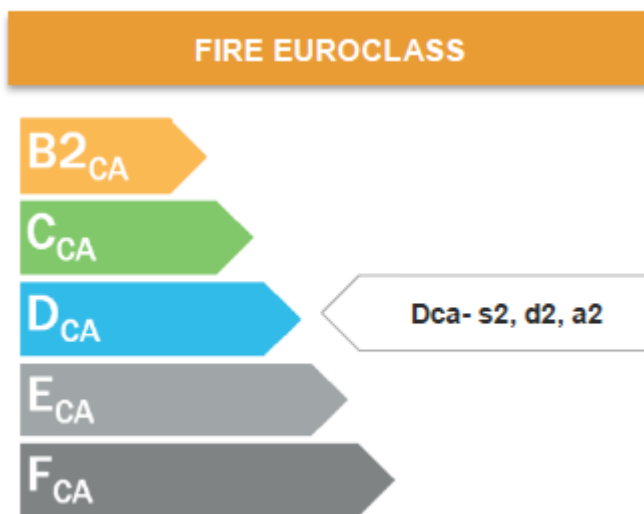
Cabling system installation standards

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	17UUTP010

Hors 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	R7560A - ST1000	Drums of 1000 m	35 kg	3700223695911	18 drums	652 kg	3700223695904
	R7560A - ST4000	Drums of 4000 m	146 kg	3700223695911	1 drums	164 kg	3700223695935