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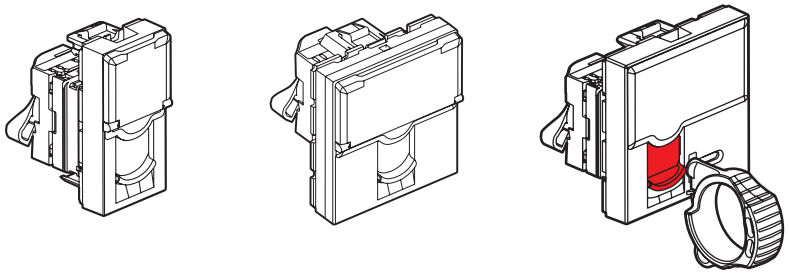
Arteor™ Advance
LCS2 Cat. 6A UTP RJ 45 socket

Cat. No(s): AC4306DB/CH/MB/MT/MW/RS
AC4313DB/CH/MB/MT/MW/RS
AC4314MB/MT/MW



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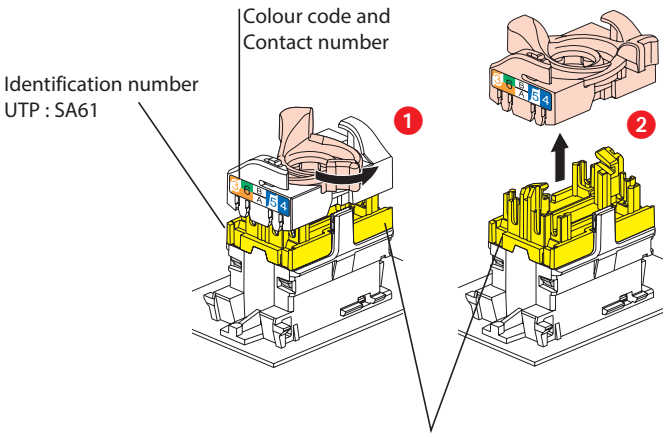
1. USE

Cat. 6A RJ 45 terminal socket for high speed connection to a network.
Enables data transmission at 10 Gbit/s.
Socket is used with Cat. 6A U/UTP cables.

2. RANGE

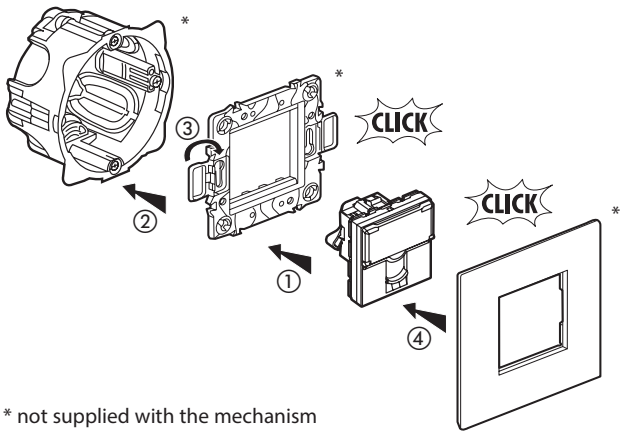
Description	Colour	Cat. No.	Modules
RJ45 CAT6A UTP Socket	Champagne	AC4306CH	1
	Bronze	AC4306DB	1
	Matt Black	AC4306MB	1
	Matt Titanium	AC4306MT	1
	Matt White	AC4306MW	1
	Rose	AC4306RS	1
	Champagne	AC4313CH	2
	Bronze	AC4313DB	2
	Matt Black	AC4313MB	2
	Matt Titanium	AC4313MT	2
	Matt White	AC4313MW	2
	Rose	AC4313RS	2
RJ45 CAT6A UTP Security Socket	Matt Black	AC4314MB	2
	Matt Titanium	AC4314MT	2
	Matt White	AC4314MW	2



Category colour code: Cat. 6A yellow

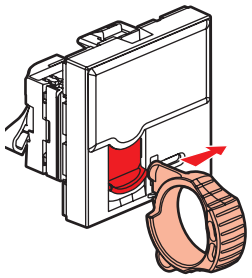
3. REAL LIFE SCENARIOS

Mechanisms can be flush-mounted or surface-mounted.



* not supplied with the mechanism

Unlocking



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4. TECHNICAL CHARACTERISTICS

4.1 Material characteristics
Contacts: gold/nickel, minimum thickness of gold > 0.8 µm
Metal parts: bronze, nickel, platinum, gold
PBT polycarbonate

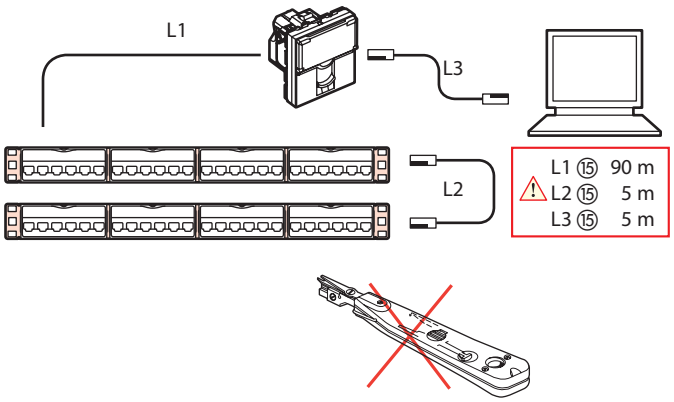
4.2 Electrical characteristics
Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 mΩ
Insulation resistance ≥ 500 MΩat 100 V DC

Tested and independently certified to comply with IEC 60512-99-001 and IEC 60512-99-002 for PoE support up to 90w (Type 4).

4.3 Mechanical characteristics
Max. number of connections and disconnections: 5 without refreshing the wiring.
Endurance: 2500 movements (plug insertion/withdrawal)
IK03

4.4 Climatic characteristics
Operating temperature: - 10° C to + 60° C
Humid heat cycle 21 days

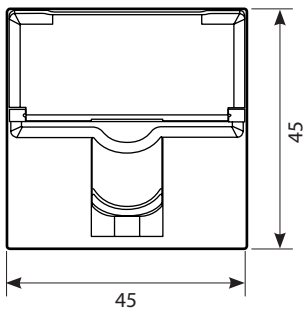
5. CONNECTION



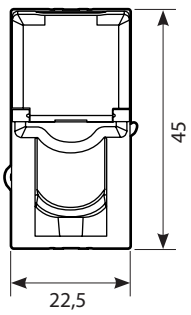
6. OVERALL DIMENSIONS

Front view:

AC4313CH/DB/MB/MT/MW/RS
AC4314MB/MT/MW

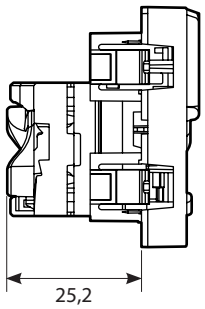


AC4306CH/DB/MB/MT/MW/RS



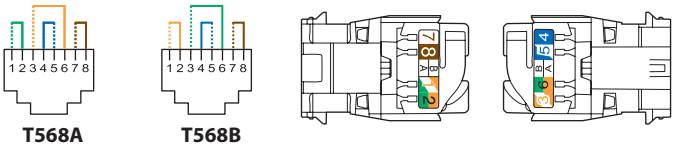
6. OVERALL DIMENSIONS *(cont.)*

Side view:



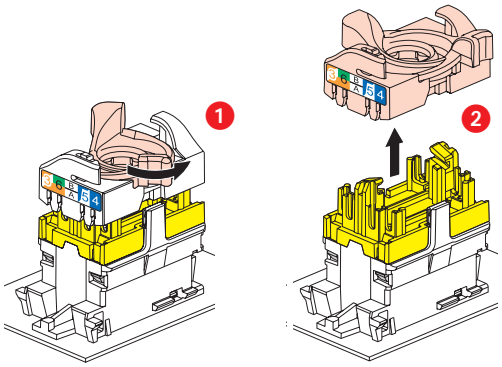
7. USUAL CONNECTION OF RJ 45

Accepts the following cable connectors:
RJ11 (4 contacts), RJ12 (6 contacts), RJ45 (9 contacts).
Double colour code T568A and T568B on terminals:



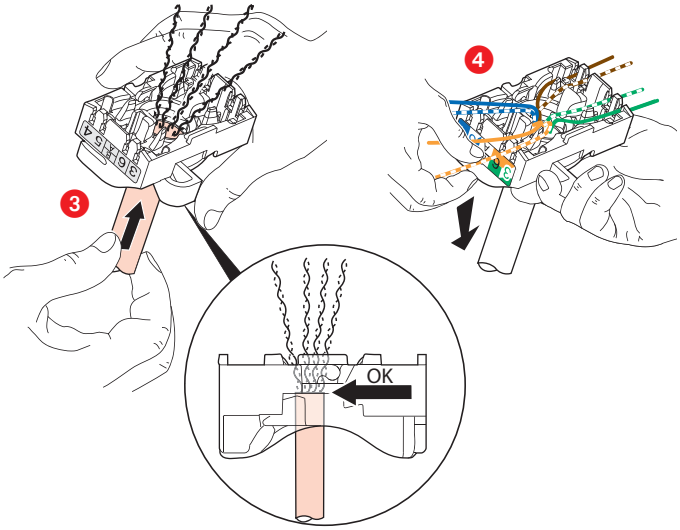
Conductors supported:
- Solid/Stranded : 0.4 to 0.65 mm, AWG 26 to 22
- Polyethylene conductor insulation: max Ø with insulation 1.58 mm.

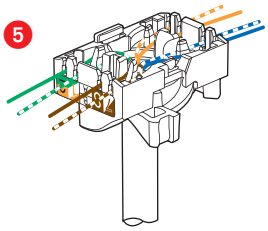
RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-cabling in the event of error.



7. USUAL CONNECTION OF RJ 45 *(cont.)*

This system allows the wire pairs to be spread easily before mounting them on the connector.





Spreading cables ensures that each pair is separated by the specified 13 mm. Spreading pairs by 90° in relation to the cable ensures optimum performance.

8. STANDARDS AND APPROVALS

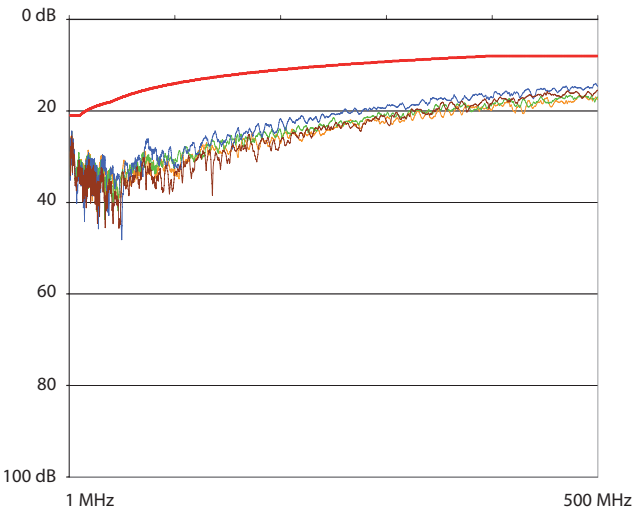
ISO/IEC 11801 series : International standard for generic cabling for customer premises
ANSI/TIA 568 series : North American standard for generic cabling for customer premises
EN 50173 series : European standard for generic cabling for customer premises
IEC 60603-7 series : International standard for connector specifications

Connectors are compliant to requirements for the following remote powering applications
IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : “Power over Ethernet”, Types 1 to 4, up to 90W.

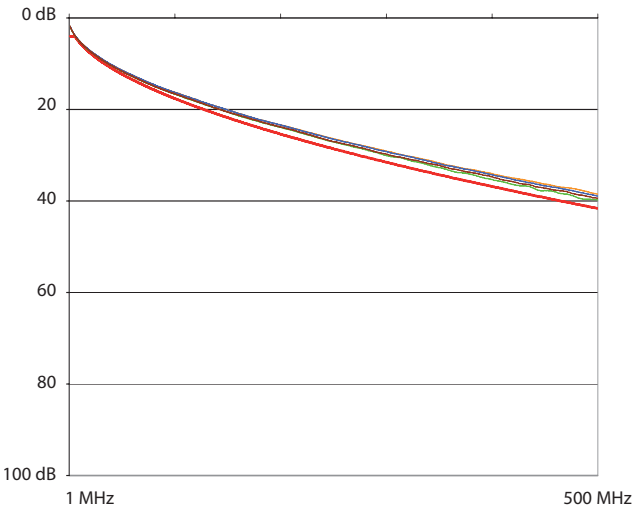
9. PERFORMANCE

9.1 Performance of permanent link with cat. 6A U/UTP cable

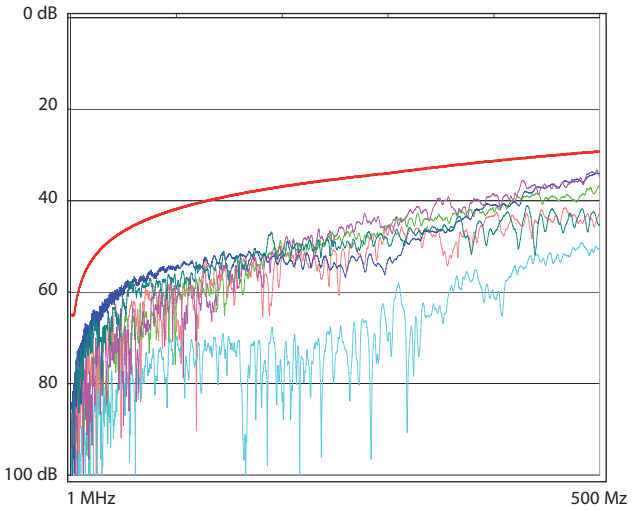
Return loss



Attenuation



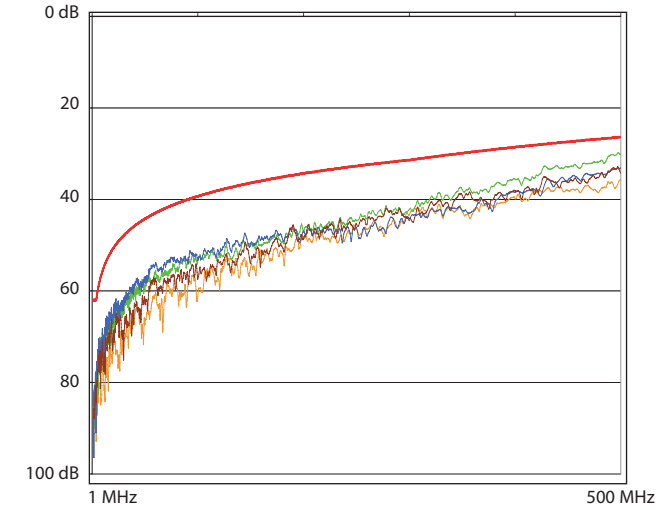
NEXT (Near end Crosstalk Attenuation)



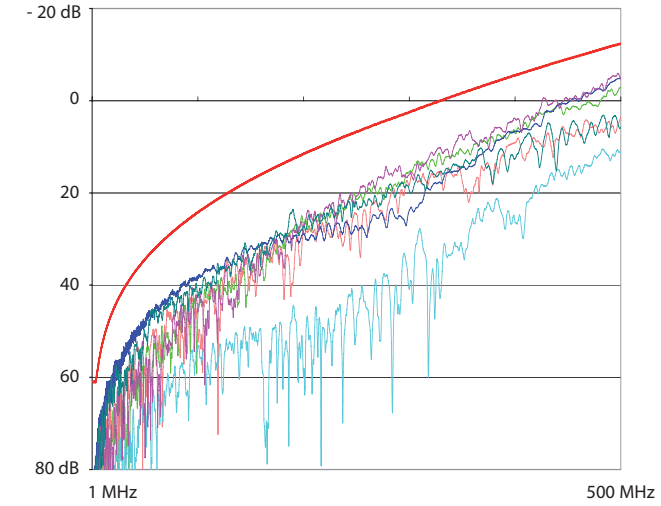
9. PERFORMANCE *(cont.)*

9.1 Performance of permanent link with Cat. 6A U/UTP cable *(cont.)*

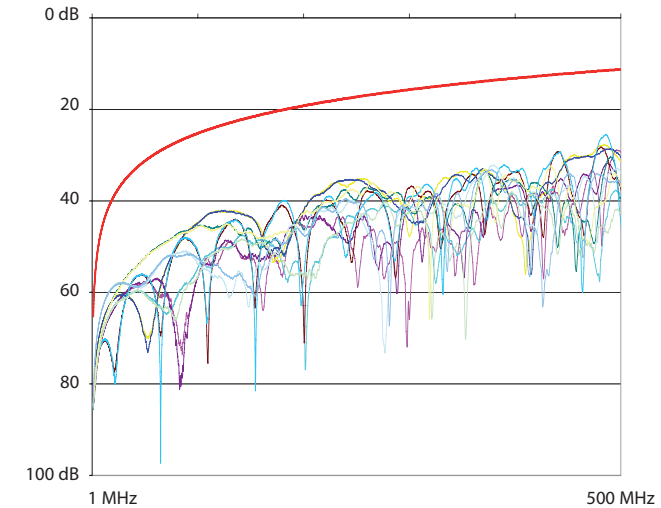
PS NEXT (Power Sum NEXT)



ACR-N (Attenuation to Crosstalk Ratio)

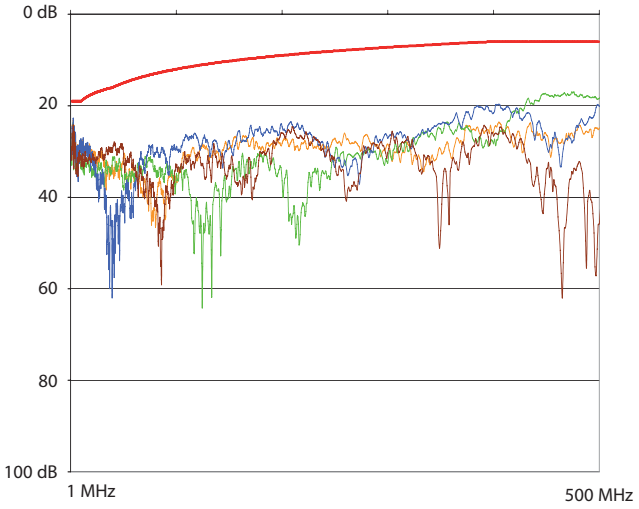


ACR-F (Equal Level End Crosstalk Attenuation)

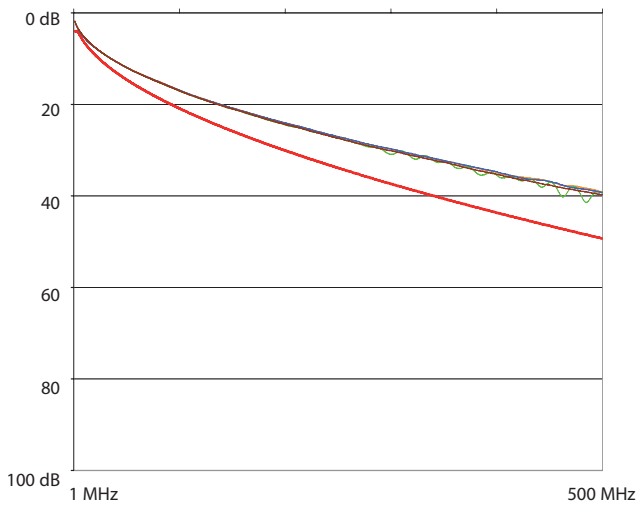


9.2 Performances canal (Channel)

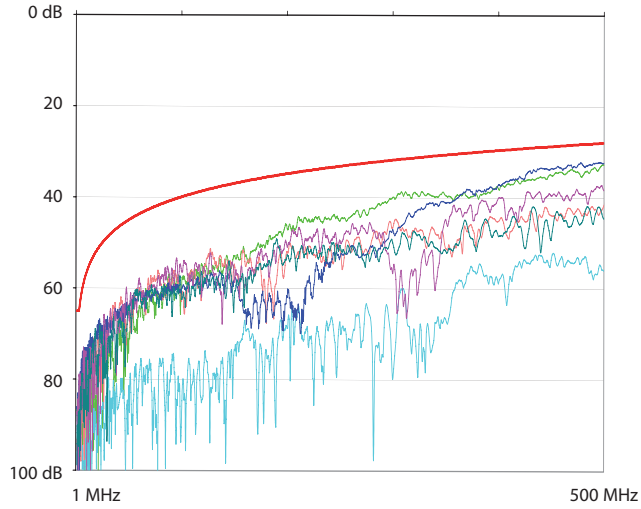
Return loss



Attenuation



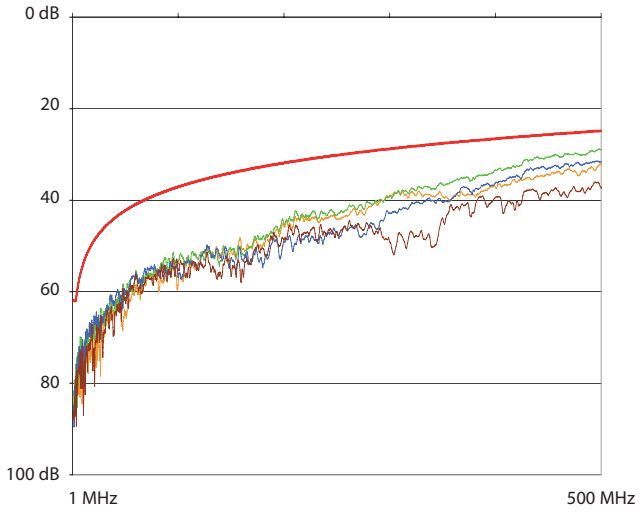
NEXT (Near end Crosstalk Attenuation)



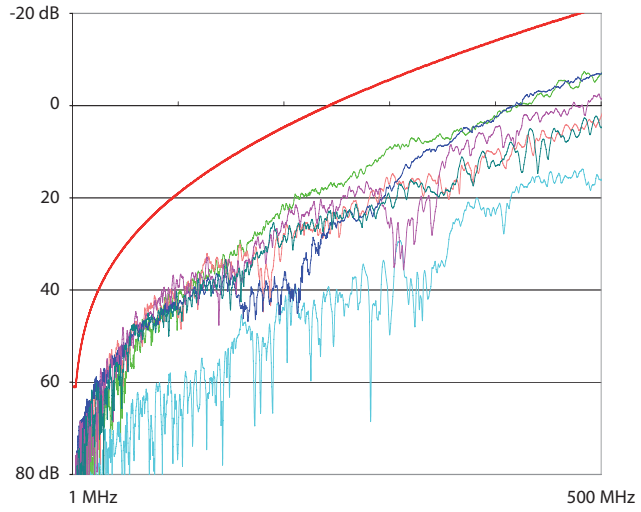
9. PERFORMANCE *(cont.)*

9.2 Performances canal (Channel) *(cont.)*

PS NEXT (Power Sum NEXT)



ACR-N (Attenuation to Crosstalk Ratio)



ACR-F (Equal Level End Crosstalk Attenuation)