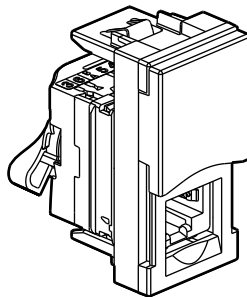


MatixGO

Cat. 6A RJ45 sockets

Cat. Nos: JW4279C6AS - JG4279C6AS - JB4279C6AS
JW4279C6ASAB - JW4279C6A - JG4279C6A - JB4279C6A



1. USE

Category 6A RJ 45 sockets for high speed transmission (Gigabit Ethernet).
Socket is used with F/UTP, S/FTP, F/FTP, U/FTP.

To be equipped with frame and plates.

Fixing with clips.

Socket JW4279C6ASAB: This product is made of silver-ion based anti-bacterial* material.

This technology eliminates bacteria, fungi and viruses without creating any immunisation or resistance effects (physical, rather than chemical, destruction).

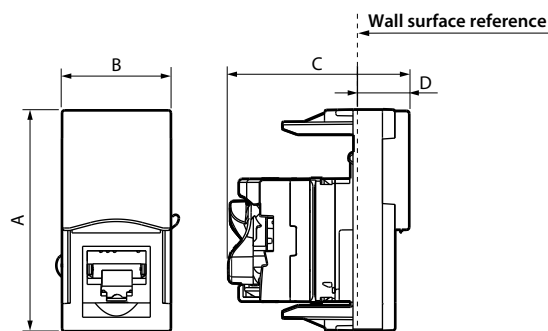
Particularly suitable for healthcare establishments (hospitals, clinics, nursing homes, laboratories, waiting rooms, etc.) and more generally for areas subject to hygiene restrictions (industrial, shared and restaurant kitchens, waste, etc.).

This product offers an additional way of ensuring the non-proliferation of bacteria, fungi and viruses without interfering with cleaning protocols.

2. RANGE

Category	Cat. Nos.	Color
6A STP	JW4279C6AS JG4279C6AS JB4279C6AS	☐ White ☒ Grey ☒ Black
6A STP antibacterial*	JW4279C6ASAB*	☐ White
6A UTP	JW4279C6A JG4279C6A JB4279C6A	☐ White ☒ Grey ☒ Black

3. OVERALL DIMENSIONS (mm)



A	B	C	D
45	22.5	37	10.5

4. CONNECTION

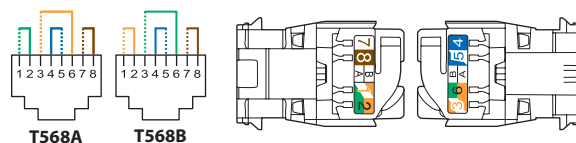
Accepts the following cable connectors:

RJ 11 (4 contacts), RJ 12 (6 contacts), RJ 45 (9 contacts).

Double colour T568A and T568B on terminals:

UTP 8 contacts

STP 9 contacts 360° screen



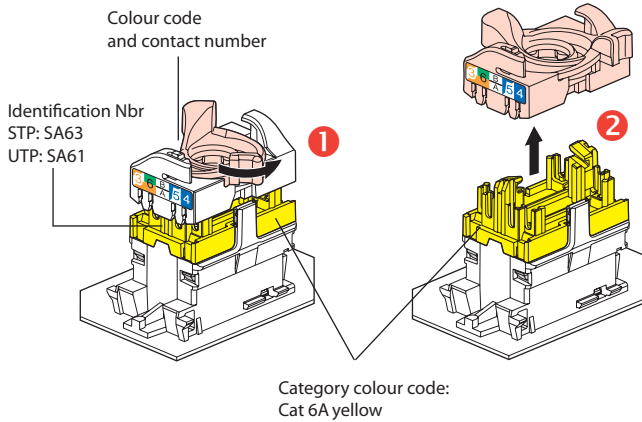
Conductors supported:

Solid/stranded: 0.4 to 0.65 mm, AWG 26 to 22.

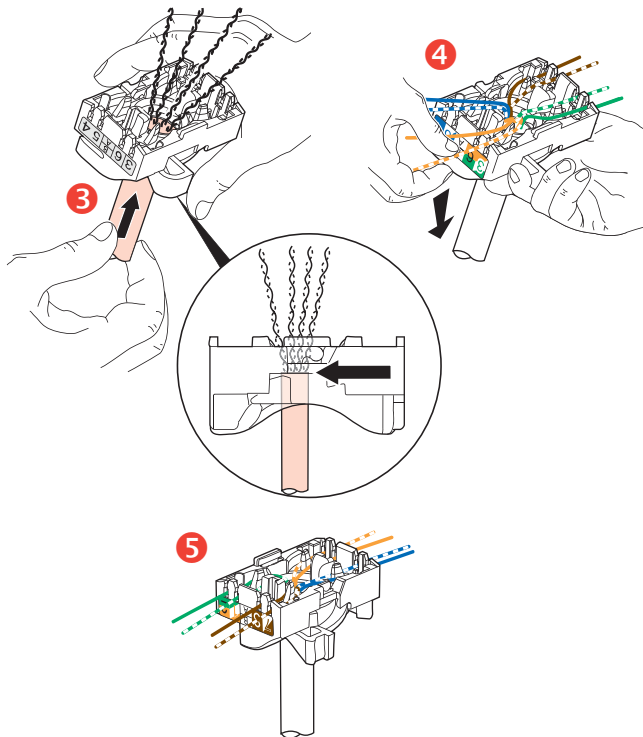
Polyethylene conductor insulation: max. Ø 0.85 to 1.7 mm on insulation.

4. CONNECTION

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



This system allows you to spread pairs before fitting them onto the connector.



Spreading the cables ensures that a pair-breakage distance of 13 mm is kept between each pair.
Spreading pairs at 90° to the cable ensures the best possible performance.

5. TECHNICAL CHARACTERISTICS

■ 5.1 Mechanical characteristics

Impact resistance: IK 04
Penetration against solid bodies and liquids: IP 20
Max. number of connections and disconnections: 5 without refreshing the wiring.
Endurance: 2500 movements (plug insertion/withdrawal).

■ 5.2 Material characteristics

Contacts: gold/nickel, thickness of gold > 0.8 µm minimum
Metal parts: bronze, nickel, platinum, gold
Polycarbonate PBT
For the STP products the body and the spreader are made of metal alloy with copper/nickel coating.

Cover plates:

ABS

ABS + antibacterial* treatment for Cat. No BT-JW4279C6ASAB

Halogen-free

UV-resistant

Self-extinguishing:

850°C/30 s for insulating components holding live parts in place

650°C/30 s for other insulating components

■ 5.3 Electrical characteristics

Breakdown voltage ≥ 1000 V

Contact resistance ≤ 20 MΩ

Insulation resistance ≥ 500 MΩ at 100 VDC

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

■ 5.4 Climate characteristics

Storage temperature: -10°C to +70°C

Usage temperature: -5°C to +35°C

6. MAINTENANCE

Surface cleaning with a cloth.

Do not use: acetone, tar remover, trichloroethylene.

Resistance to cleaning products: Hexane, methylated spirit, soapy water, diluted ammonia, pure bleach diluted to 10%, window-cleaning products, pre-impregnated wipes.

Resistance to hospital grade cleaning products: Anios, Surfanios, Bactily-sine, diluted hydrogen peroxide (35%).

Caution: Always test before using other special cleaning products

7. STANDARDS AND APPROVALS

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 90 W.

Comply with installation and production standards.

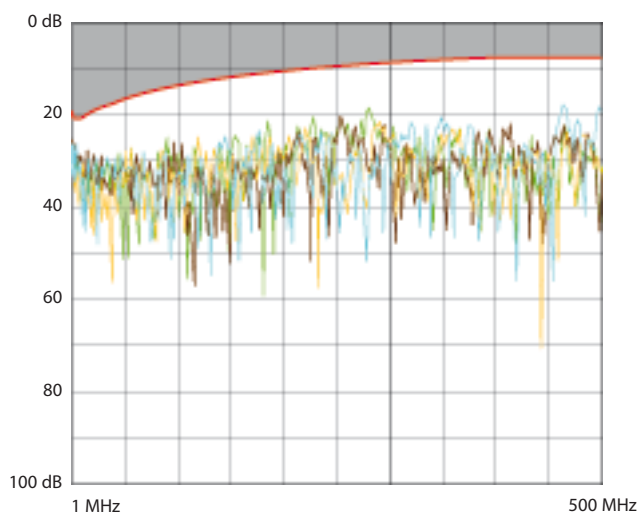
See e-catalogue.

* Contains a silver compound to antagonize the growth of bacteria on the surface.

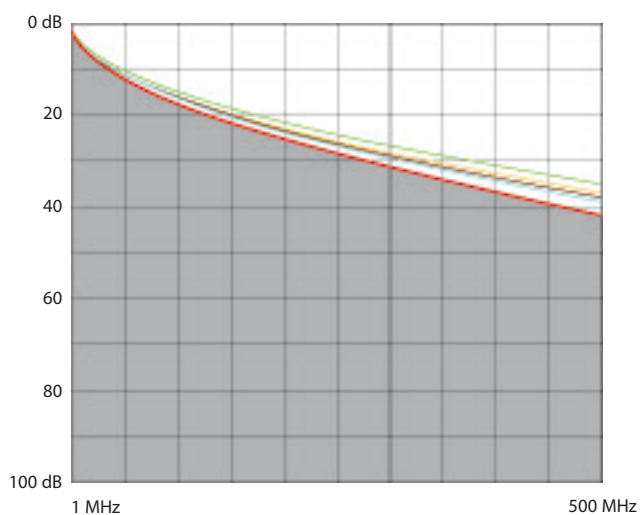
8. PERFORMANCES

■ 8.1 Performances lien permanent avec câble F/UTP

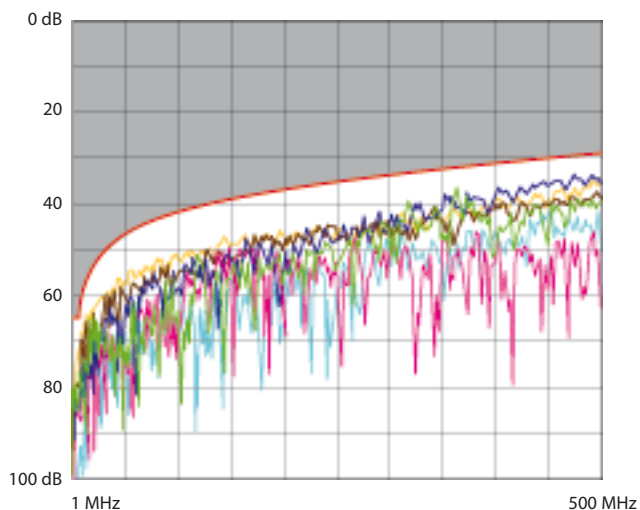
Return loss (Affaiblissement de réflexion)



Atténuation (Atténuation)



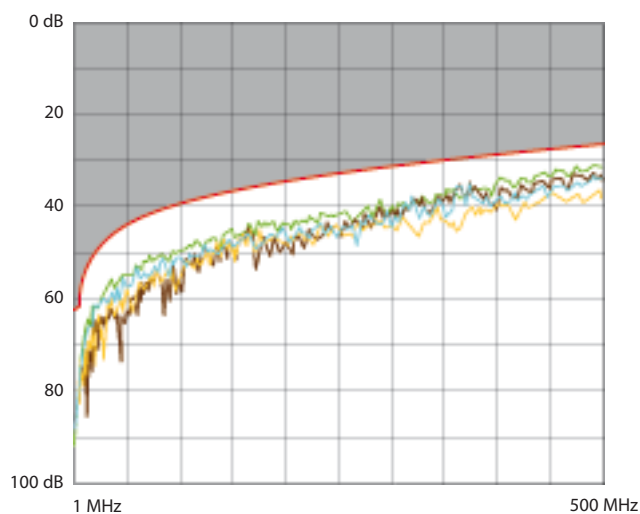
NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



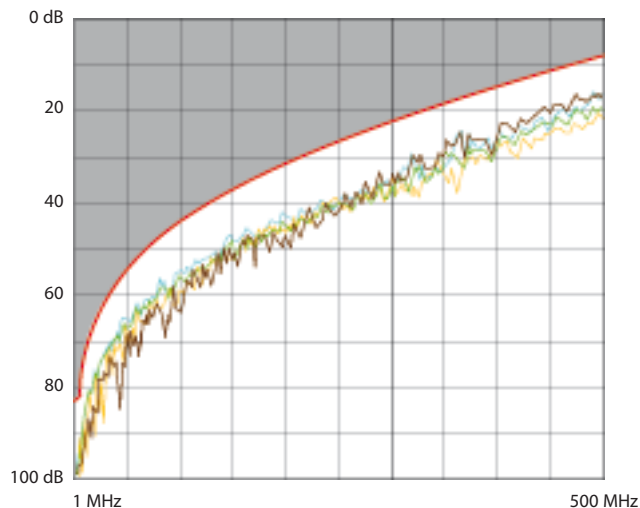
8. PERFORMANCES (suite)

■ 8.1 Performances lien permanent avec câble F/UTP (suite)

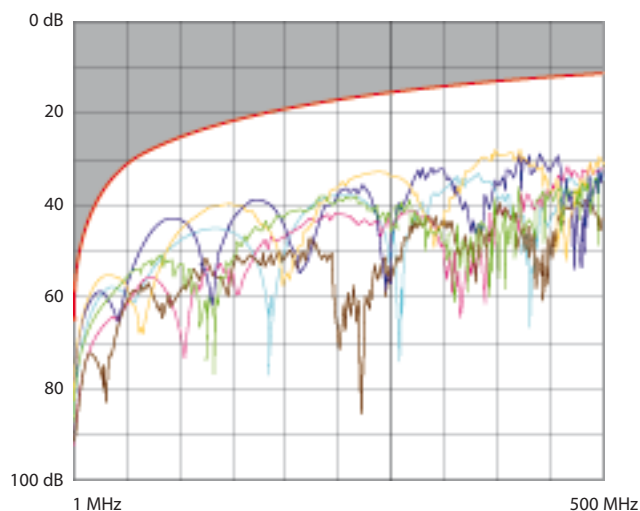
PS NEXT (Power Sum NEXT) (Somme de puissance NEXT)



ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



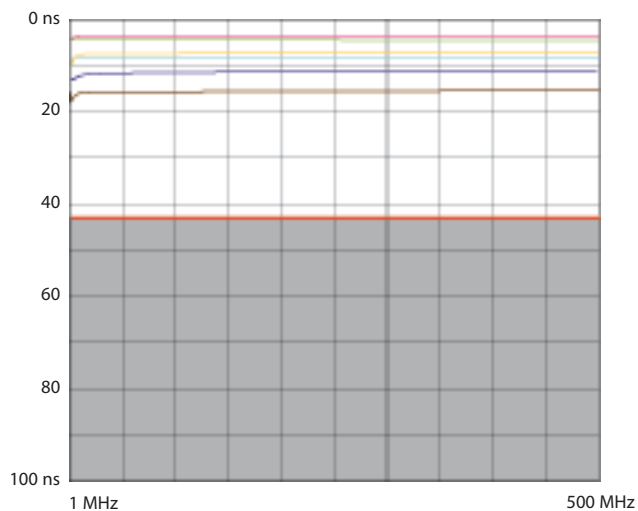
ELFEXT (Equal Level End Crosstalk Attenuation)
(Atténuation télédiaphonique de niveau égal)



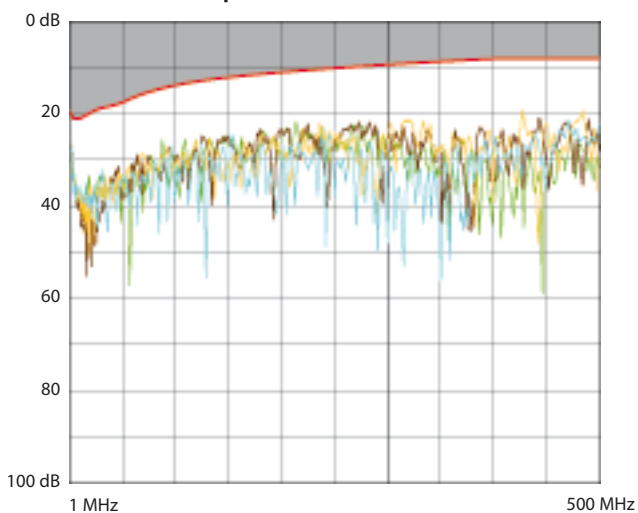
8. PERFORMANCES (suite)

■ 8.1 Performances lien permanent avec câble F/UTP (suite)

Delay skew (Retard de propagation)

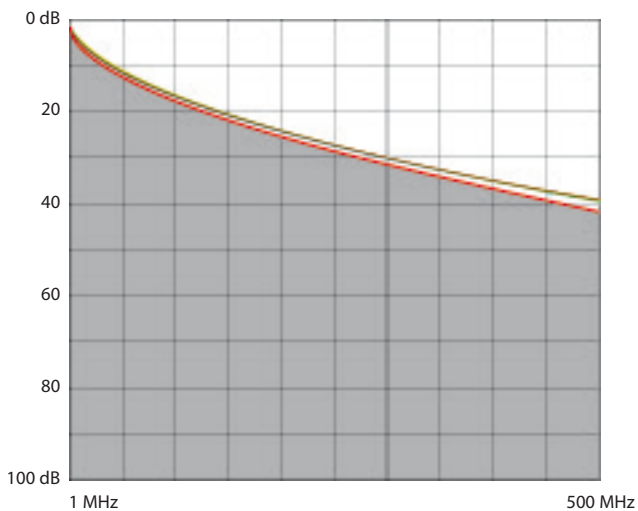


■ 9.2 Performances lien permanent avec câble S/FTP



Return loss (Affaiblissement de réflexion)

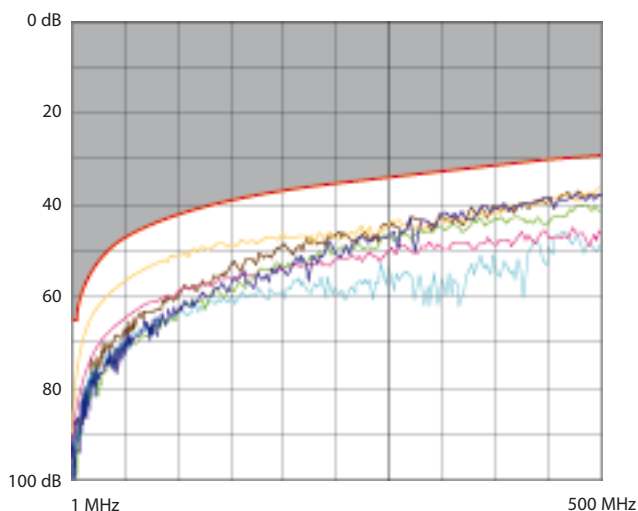
Attenuation (Atténuation)



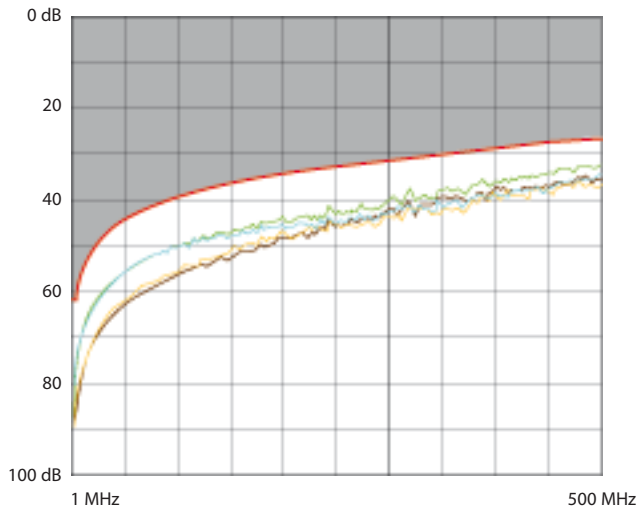
8. PERFORMANCES (suite)

■ 8.2 Performances lien permanent avec câble S/FTP (suite)

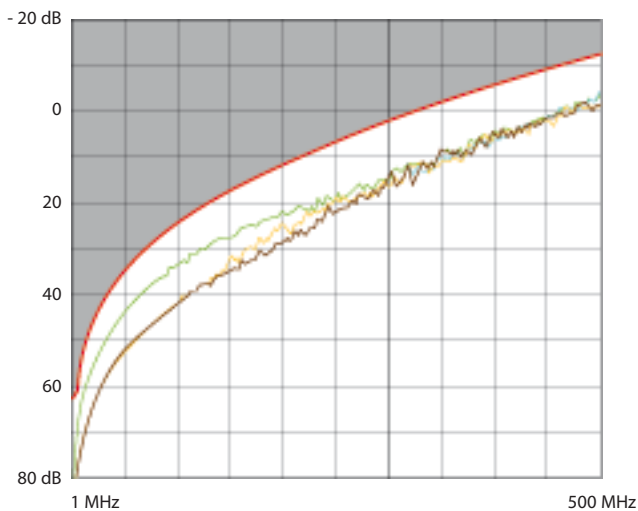
NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



PS NEXT (Power Sum NEXT) (Somme de puissance NEXT)



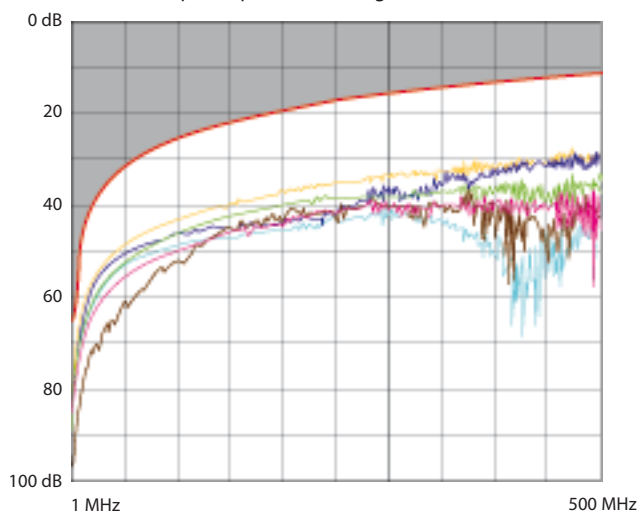
ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



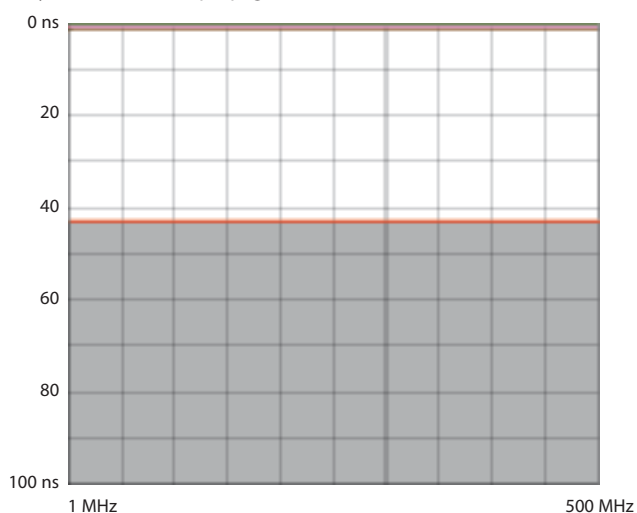
8. PERFORMANCES (suite)

■ 8.2 Performances lien permanent avec câble S/FTP (suite)

ELFEXT (Equal Level End Crosstalk Attenuation)
(Atténuation télédiaphonique de niveau égal)

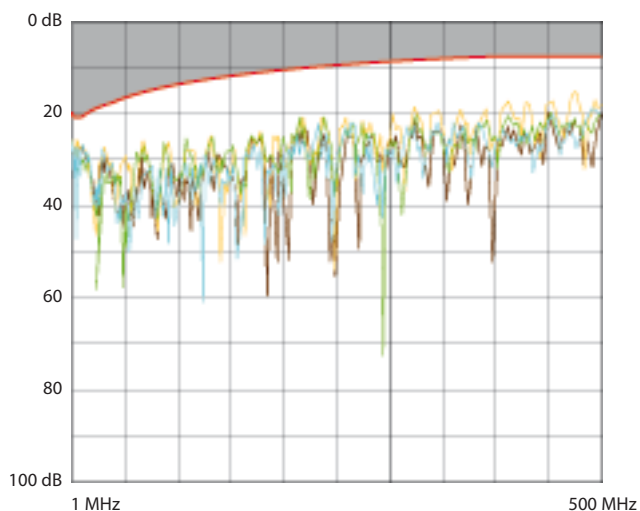


Delay skew (Retard de propagation)



■ 8.3 Performances canal (Channel)

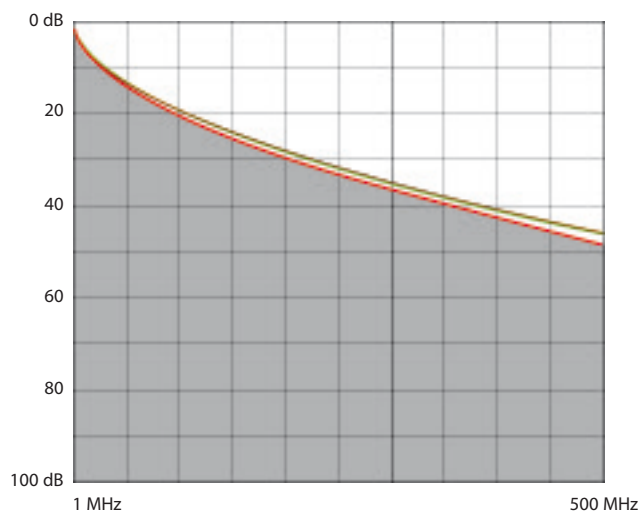
Return loss (Affaiblissement de réflexion)



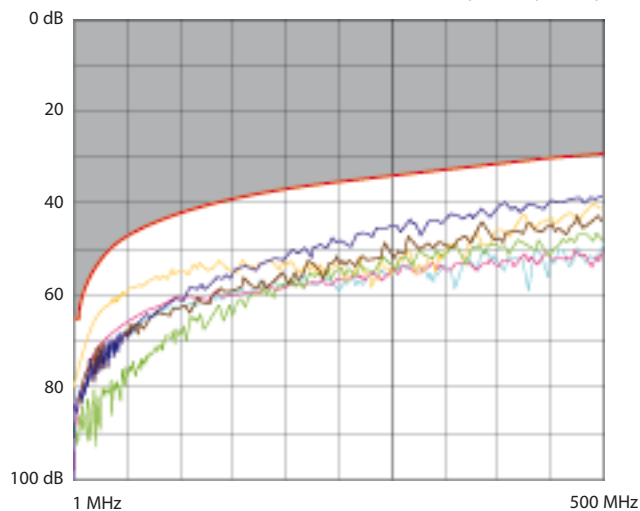
8. PERFORMANCES (suite)

■ 8.3 Performances canal (Channel)

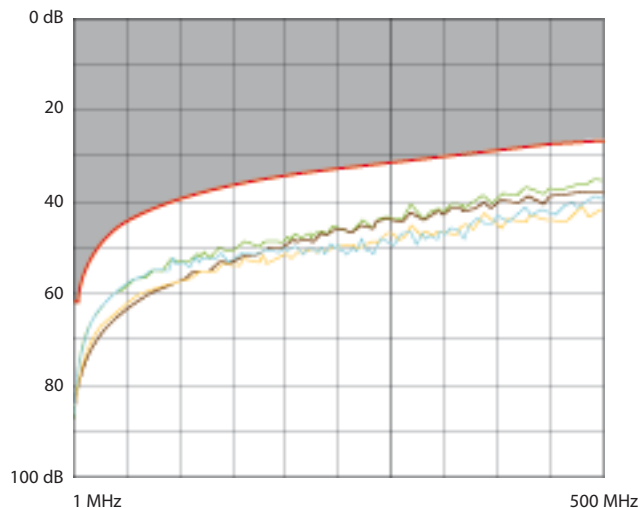
Attenuation (Atténuation)



NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



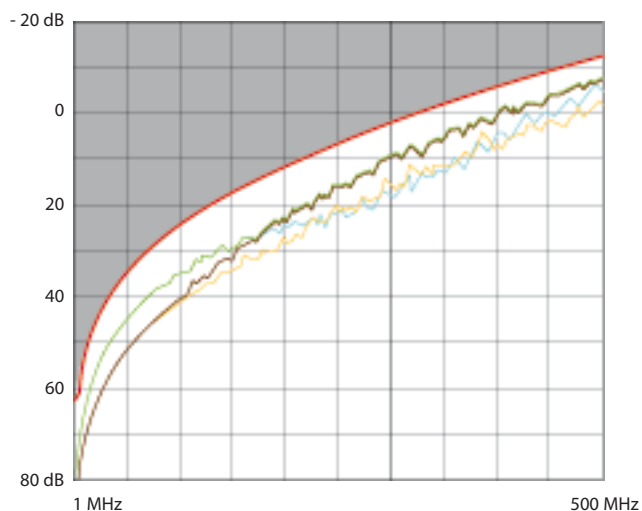
PS NEXT (Power sum NEXT) (Somme de puissance NEXT)



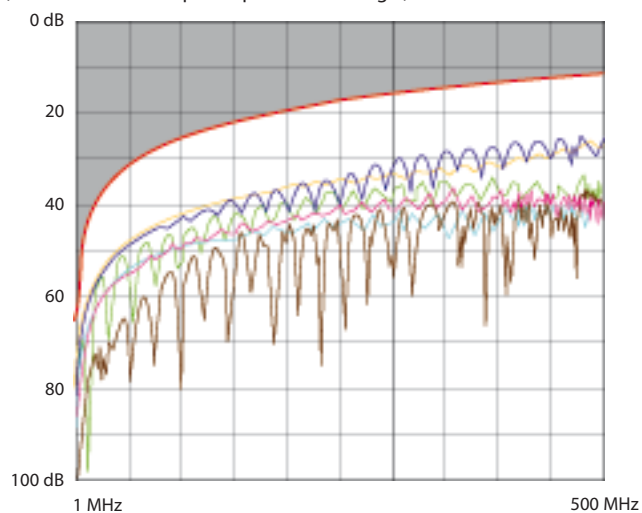
8. PERFORMANCES *(suite)*

■ 8.3 Performances canal (Channel) *(suite)*

ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



ELFEXT (Equal Level End Crosstalk Attenuation)
(Atténuation télédiaphonique de niveau égal)



Delay skew (Retard de propagation)

