

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.

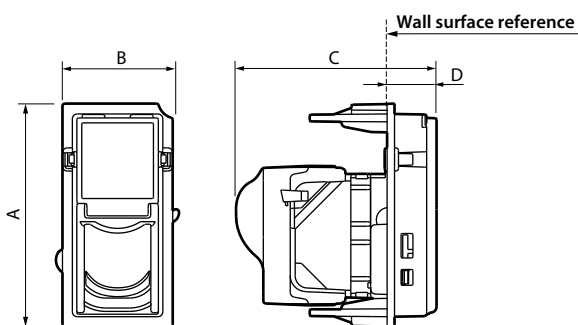
2. RANGE

Category	Cat. Nos.	Related Cover Codes
6A STP	KW4279C6AS KM4279C6AS KG4279C6AS	<input type="checkbox"/> KW07 <input type="checkbox"/> KM07 <input type="checkbox"/> KG07
6A UTP	KW4279C6A KM4279C6A KG4279C6A	<input type="checkbox"/> KW07 <input type="checkbox"/> KM07 <input type="checkbox"/> KG07

Colour code:

- White
- Sand
- Black

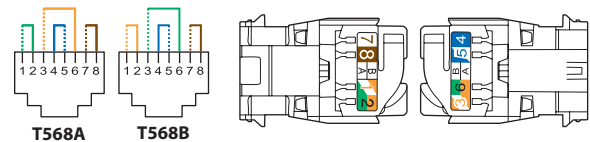
3. OVERALL DIMENSIONS (mm)



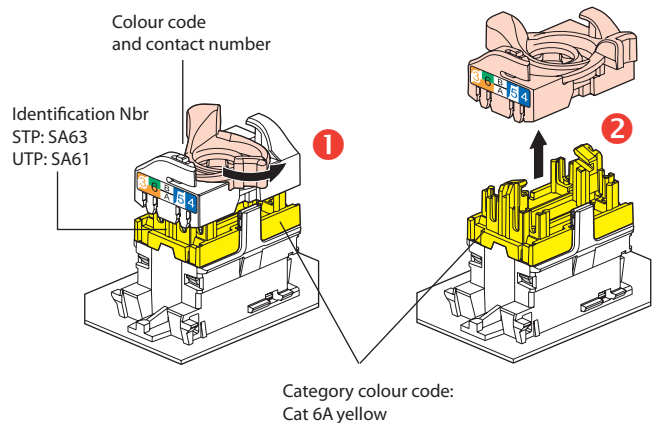
A	B	C	D
45	22	41	10

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



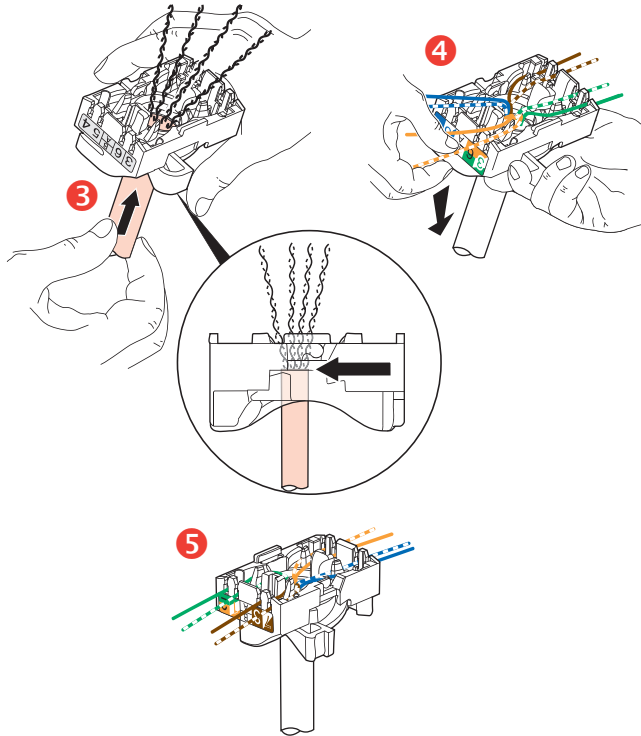
Conductors supported:
Solid/stranded: 0.4 to 0.65 mm, AWG 26 to 22.
Polyethylene conductor insulation: max. Ø 0.85 to 1.7 mm on insulation.
RJ 45 connectors are equipped with a locking nut that does not require the use of a specific tool and which enables re-wiring in the event of error.



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4. CONNECTION (continued)

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.

Material: ABS for cover plates
Colour: White - Tech - Anthracite
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 M Ω
Insulation resistance ≥ 500 M Ω 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: - 10°C to + 60°C

6. MAINTENANCE

Clean the surface with a cloth.

Do not use: acetone, tar-removing cleaning agents or trichloroethylene.

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.

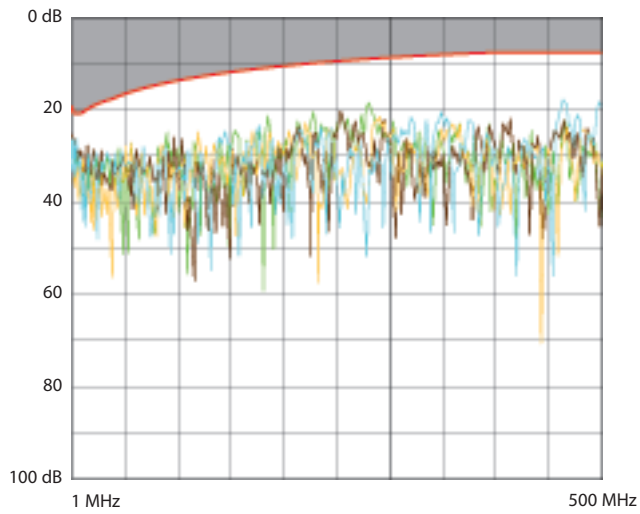
Comply with installation and production standards.
See e-catalogue.

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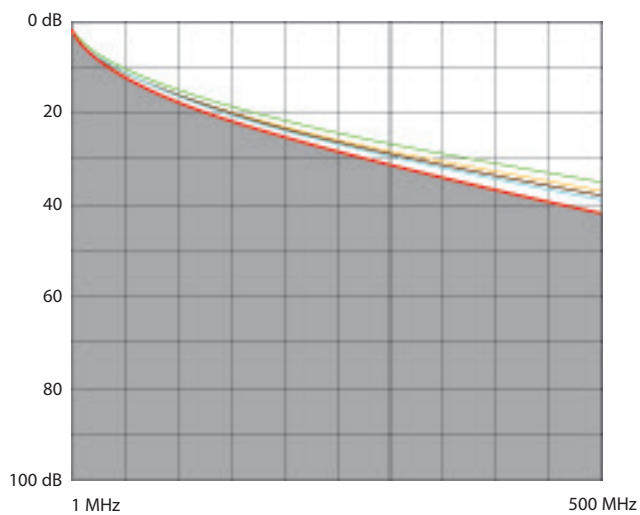
8. PERFORMANCES

■ 8.1 Performances lien permanent avec câble F/UTP

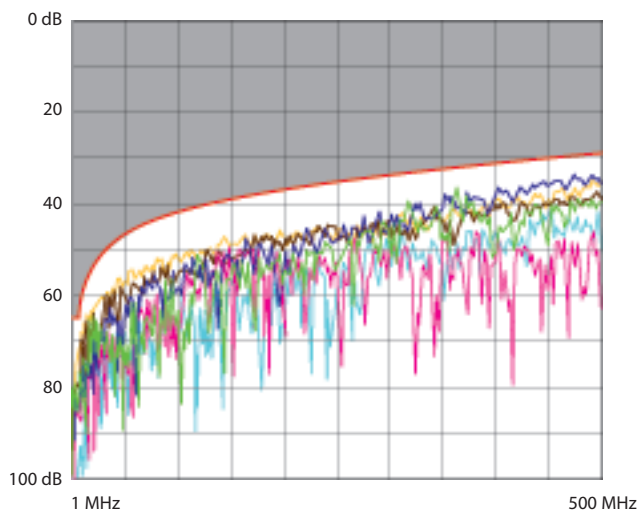
Return loss (Affaiblissement de réflexion)



Atténuation (Atténuation)



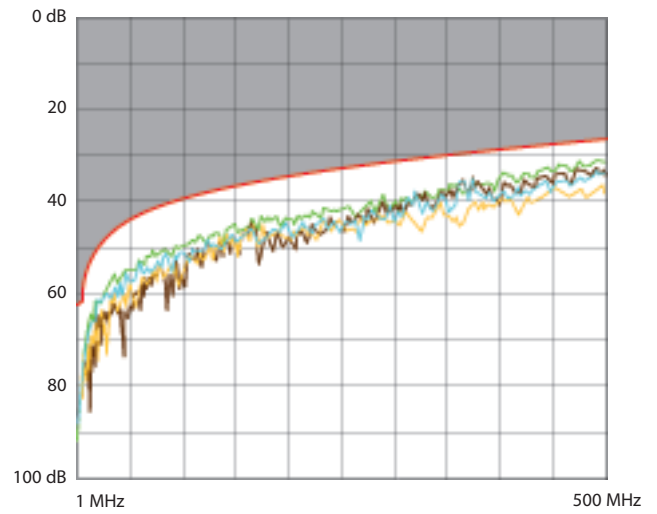
NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



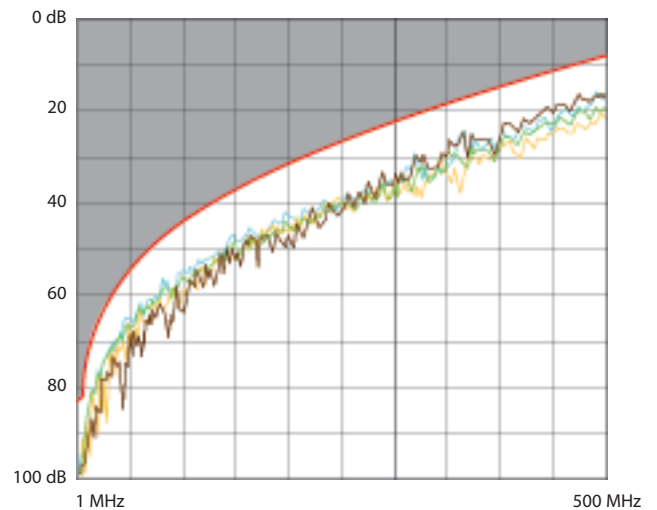
8. PERFORMANCES (suite)

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

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

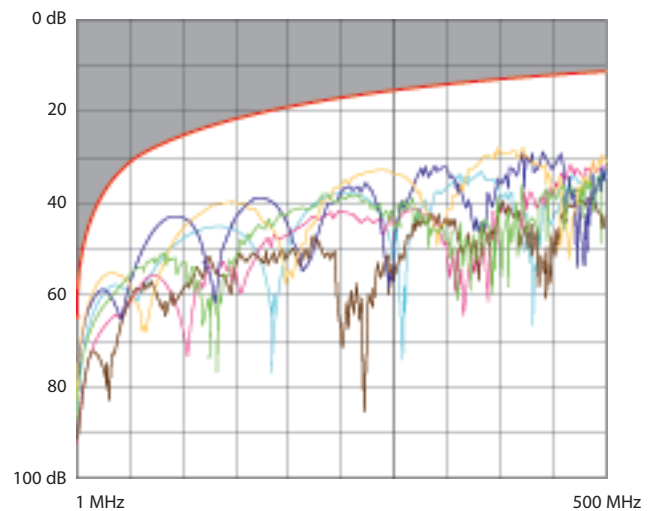


ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



ELFEXT (Equal Level End Crosstalk Attenuation)

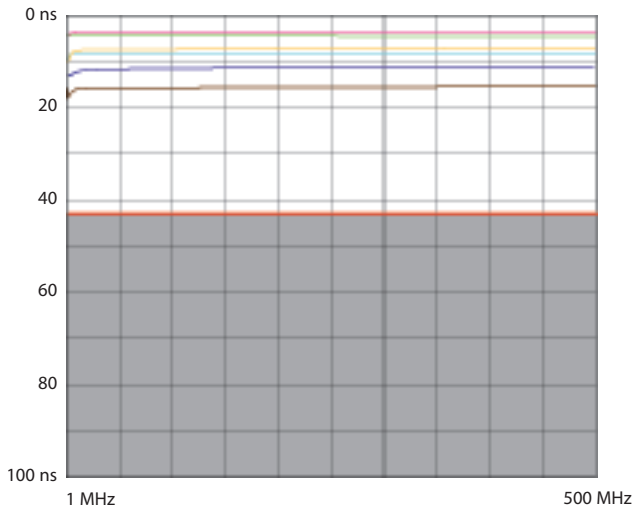
(Atténuation télédiaphonique de niveau égal)



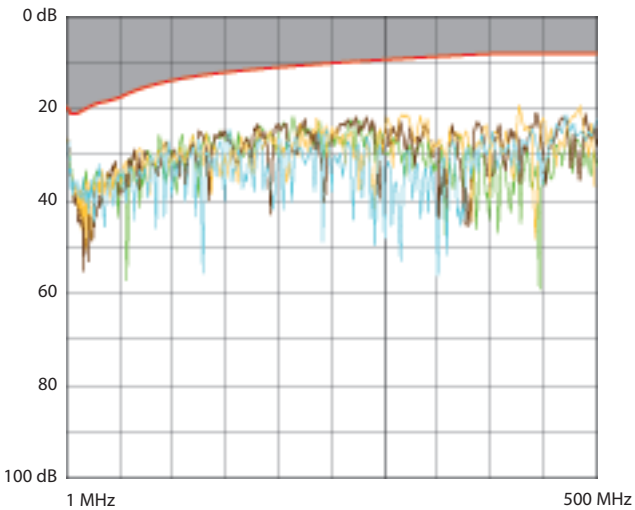
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8. PERFORMANCES (suite)

■ 8.1 Performances lien permanent avec câble F/UTP (suite)
Delay skew (Retard de propagation)

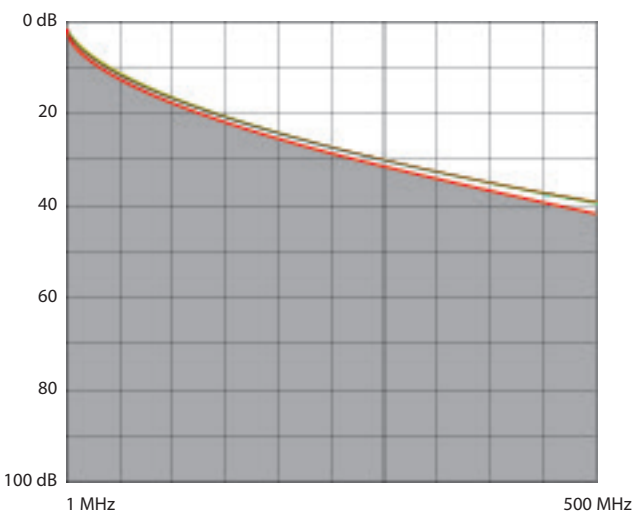


■ 9.2 Performances lien permanent avec câble S/FTP



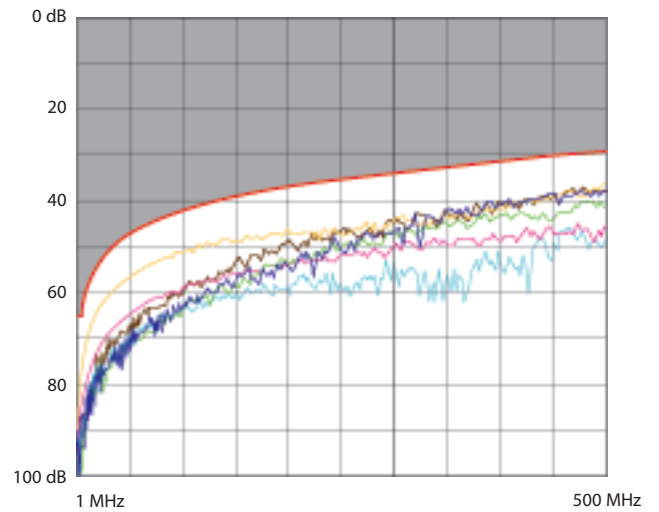
Return loss (Affaiblissement de réflexion)

Attenuation (Atténuation)

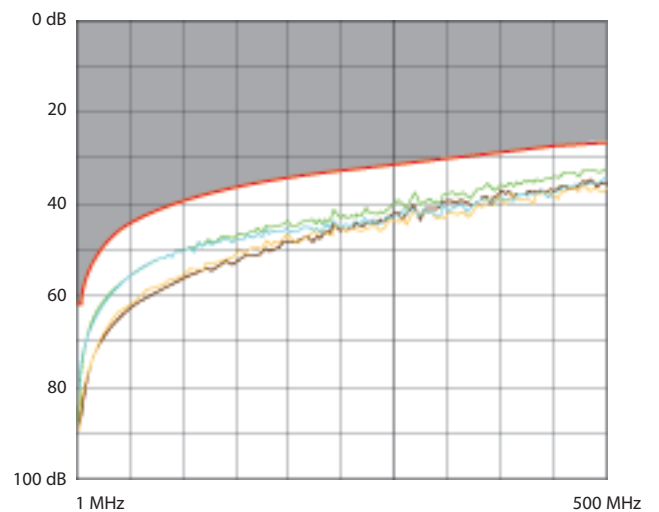


8. PERFORMANCES (suite)

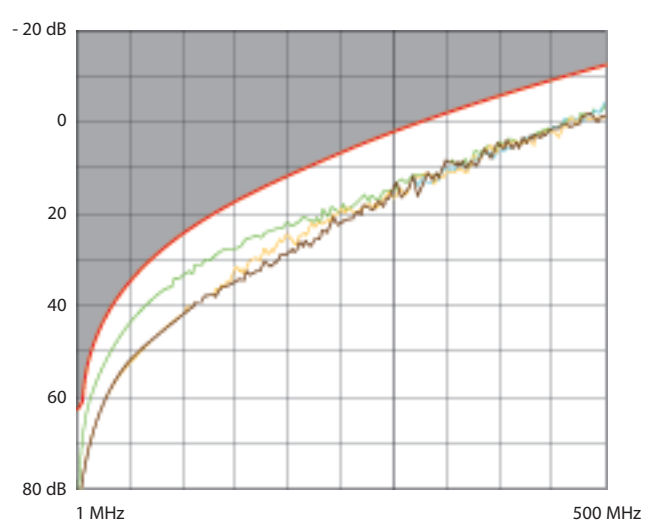
■ 8.2 Performances lien permanent avec câble S/FTP (suite)
NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



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



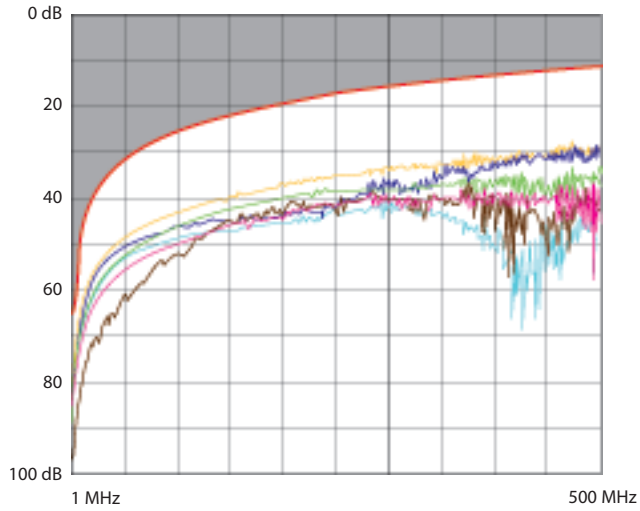
ACR (Attenuation to Crosstalk Ratio) (Ecart paradiaphonique)



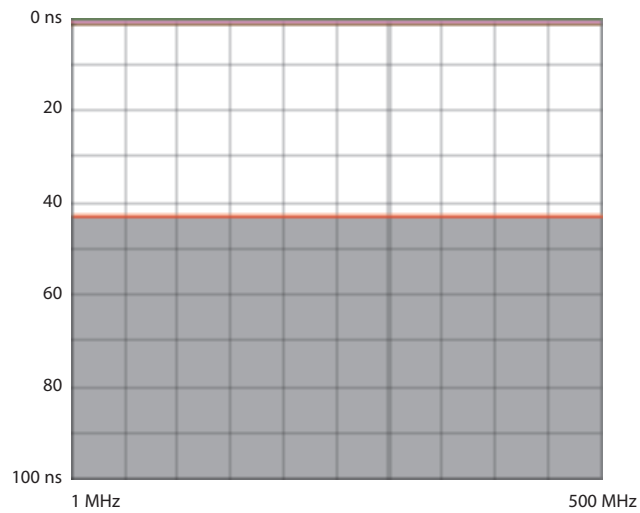
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8. PERFORMANCES (suite)

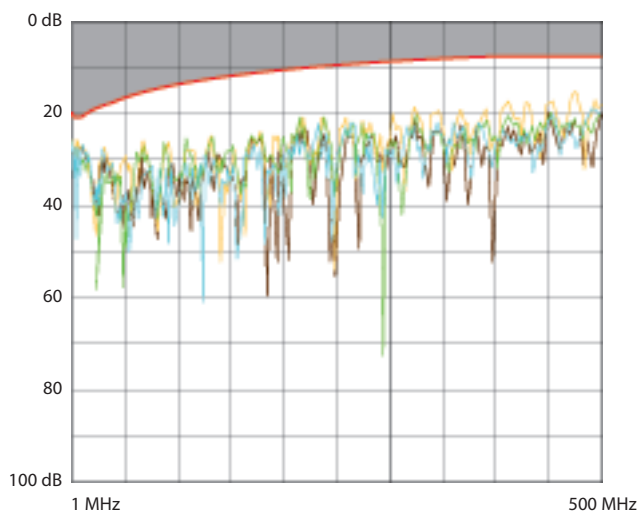
■ 8.2 Performances lien permanent avec câble S/FTP (suite)
ELFEXT (Equal Level End Crosstalk Attenuation)
(Atténuation télédiaphonique de niveau égal)



Delay skew (Retard de propagation)

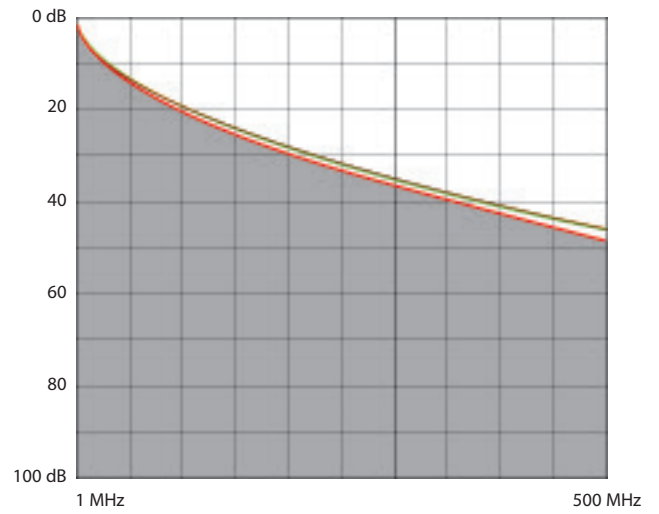


■ 8.3 Performances canal (Channel)
Return loss (Affaiblissement de réflexion)

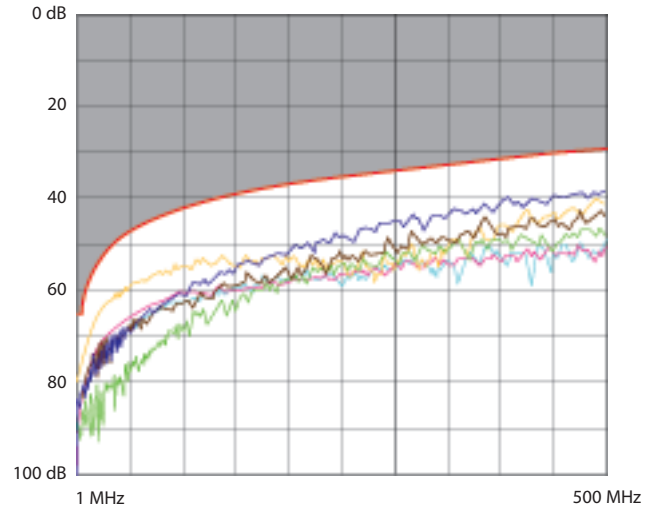


8. PERFORMANCES (suite)

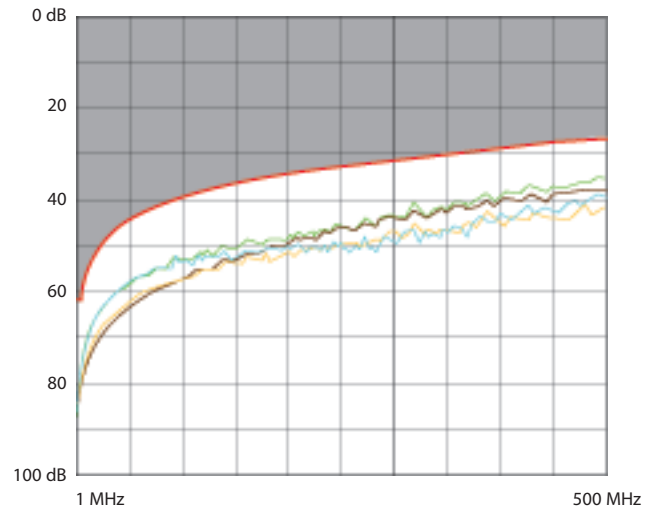
■ 8.3 Performances canal (Channel)
Attenuation (Atténuation)



NEXT (Near end Crosstalk Attenuation) (Atténuation paradiaphonique)



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

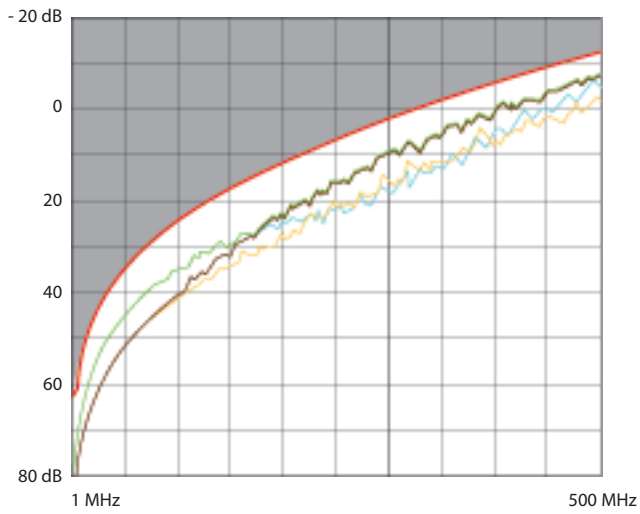


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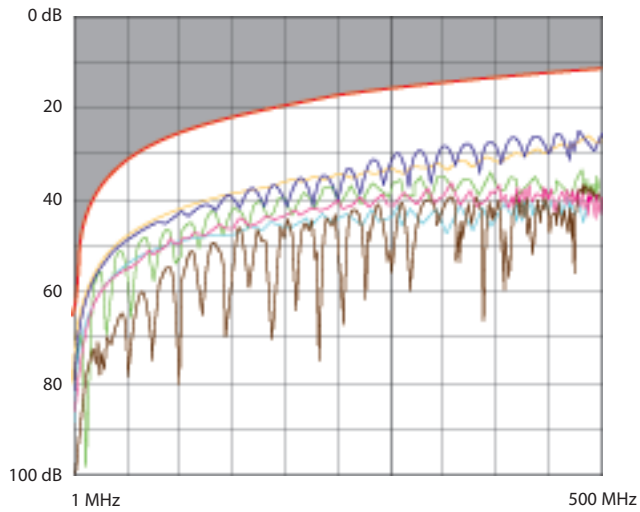
8. PERFORMANCES (suite)

■ 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)

