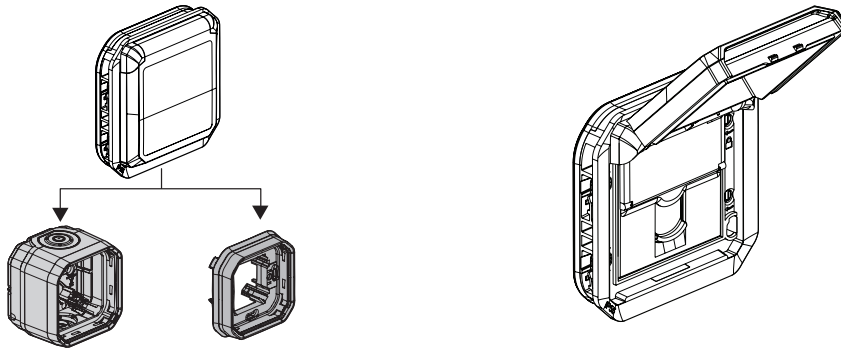


Plexo™

Cat. 6a STP RJ45 socket

Cat. No(s): 0 695 59L



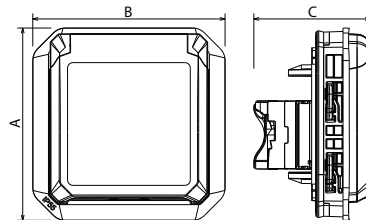
1. USE

Waterproof equipment system intended for residential and professional technical locations (garages, cellars, car parks, workshops and industrial kitchens, etc.) as well as outdoor environments (terraces, gardens, campsites, etc.).
 Category 6 RJ45 socket mechanisms.
 Enables high speed data transmission (Gigabit Ethernet).

2. RANGE

		References: Designations
Configurable		0 695 59L Cat. 6a STP

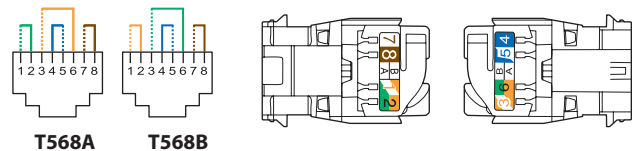
3. OVERALL DIMENSIONS (mm)



	A	B	C
Configurable	70.5	70.5	42.73

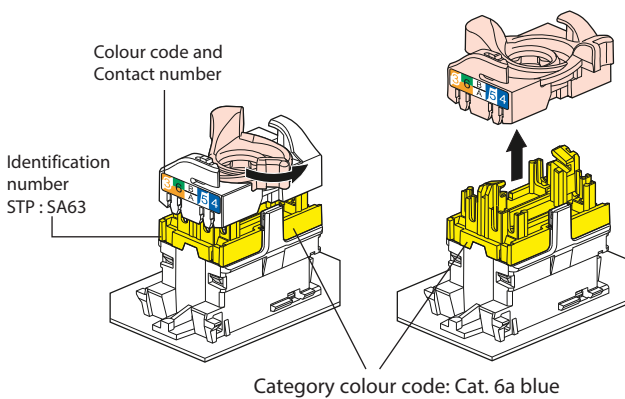
4. CONNECTION

Accepts plugs:
 RJ11 (4 contacts), RJ12 (6 contacts), RJ 45 (9 contacts).
 Double color code T568A and T568B on terminals:
 UTP 8 contacts
 FTP 9 contacts
 STP 9 contacts 360° shielding

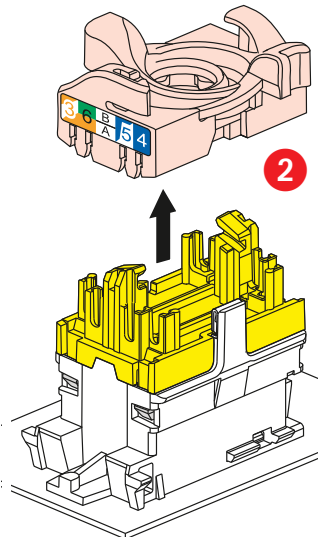
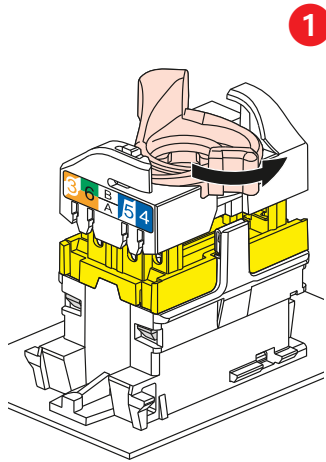


Conductors supported:
 - Single-core/Multicore: 0.4 to 0.65 mm, AWG 26 to 22
 - Polyethylene conductor insulation: Ø 0.85 to 1.7 mm on insulation

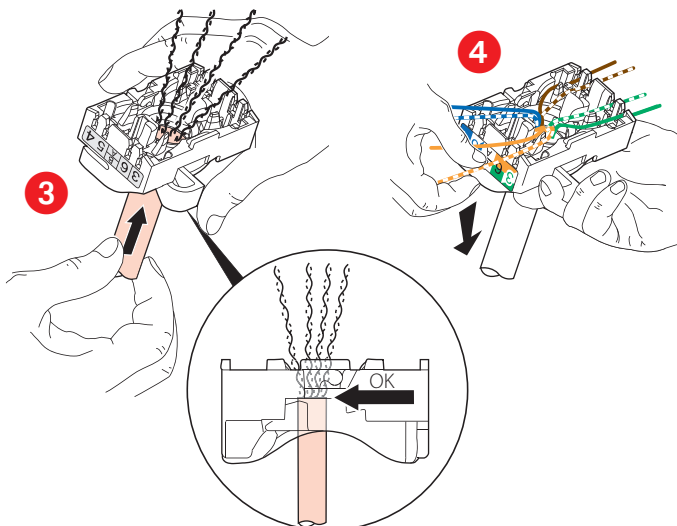
The RJ45 connectors are equipped with a rotating locking system that does not require special tools and enables rewiring in the event of error.



4. CONNECTION (continued)

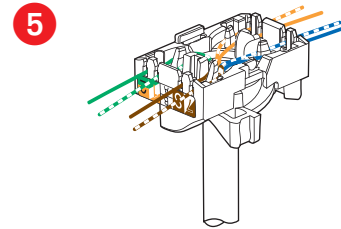


This system allows the wire pairs to be spread easily before attaching them to the connector.



4. CONNECTION (continued)

Spreading the wires ensures that pairs are separated by the required 13 mm.
Spreading the pairs at 90° in relation to the cable ensures the best performance levels.



5. CARACTÉRISTIQUES TECHNIQUES

■ 5.1 Protection index

Flap closed:
Protection against solid bodies and liquids: IP 55
Protection against impact: IK 08
Endurance: 2500 operations (plugging / unplugging).

■ 5.2 Engine characteristics

Contacts: gold/nickel, thickness of gold > 0.8 µm min.
Metal parts: bronze, nickel, platinum, gold
PBT polycarbonate
Max. number of connections and disconnections: 5 without refreshing the cable

■ 5.3 Material characteristics

Flap : ABS
Cover plate: PP + SEBS
Mechanism: PC
UV-resistant
Halogen-free
Resistance to salt spray: 7 days (168 h)

Self-extinguishing:
850°C/30 s for insulating components holding live parts in place.
650°C/30 s for other insulating components.

■ 5.4 Electrical characteristics

Breakdown voltage ≥ 1000 V.
Contact resistance ≤ 20 mΩ.
Insulation resistance ≥ 500 MΩ at 100 V DC.
Connector tested and guaranteed under stress of POE signals, IEEE 802.3af and POE+ standard, draft 802.3at standards, up to 2500 connection/disconnection under load.

The tests are carried out with 2 simultaneous POE+ circuits for a minimum total power of 50 W.

■ 5.5 Climate characteristics

Usage temperature: 0° to + 35° C
Storage temperature: - 25° C to + 60° C

Cat. 6a STP RJ45 socket

6. CLEANING

Surface cleaning with a cloth.

Do not use: acetone, tar remover, trichloroethylene.

Maintenance with the following products: Hexane (EN 60669-1), Methylated spirit, Soapy water, Diluted ammonia, Bleach diluted to 10%, Window-cleaning products, Pre-saturated wipes.

Attention : Pour l'utilisation de produits d'entretien spécifiques, un essai préalable est nécessaire.

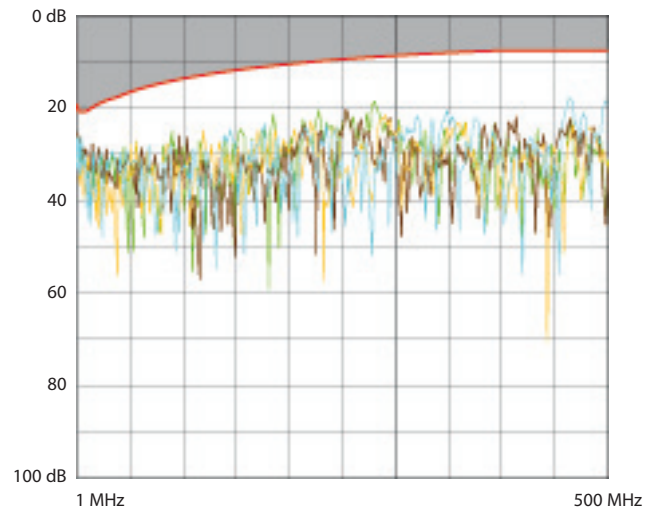
7. STANDARDS AND APPROVALS

Compliance with standards of installation and manufacturing. Refer to e.catalogue.

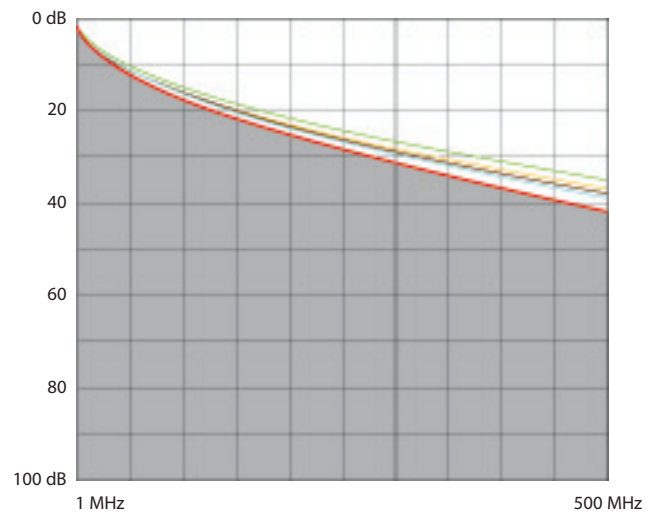
8. PERFORMANCE

■ 8.1 Permanent link performance with F/UTP cable

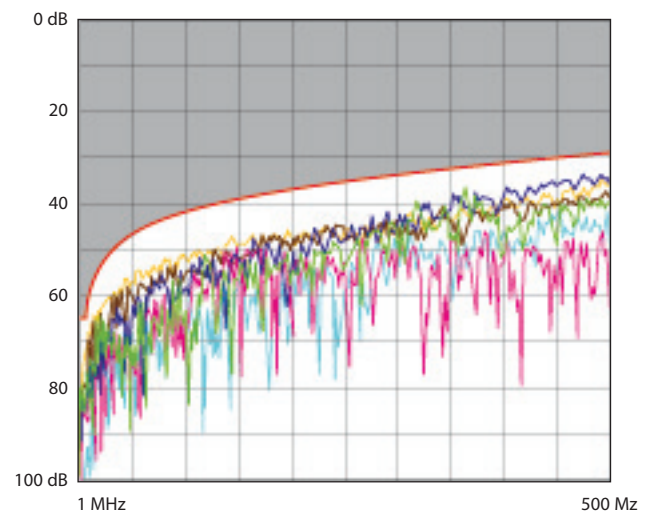
Return loss



Attenuation



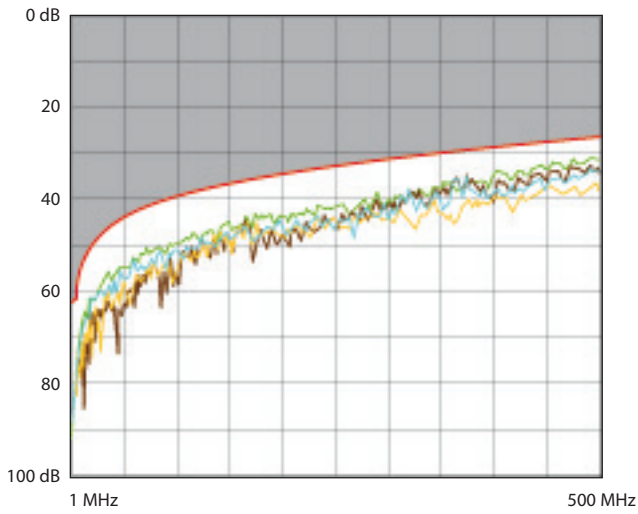
NEXT (Near end Crosstalk Attenuation)



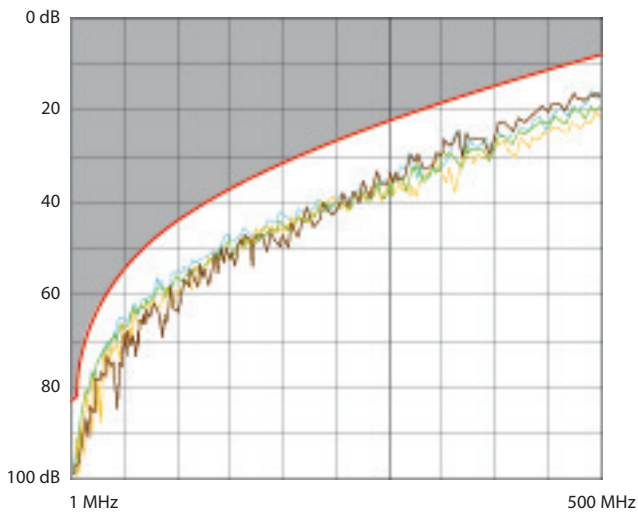
8. PERFORMANCE (continued)

■ **8.1 Permanent link performance with F/UTP cable** (cont.)

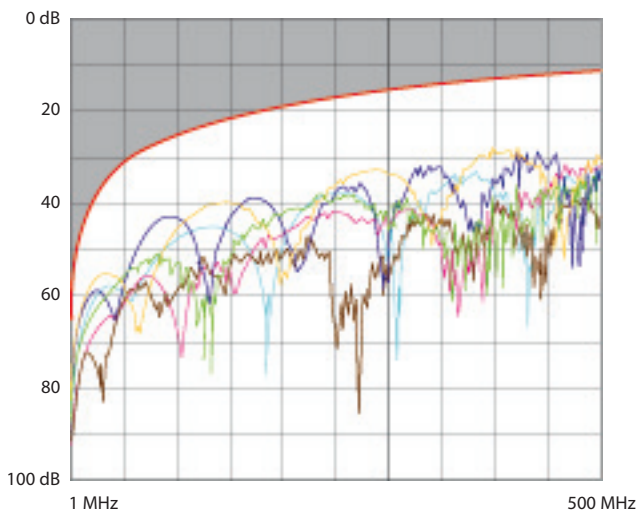
PS NEXT (Power Sum NEXT)



ACR (Attenuation to Crosstalk Ratio)



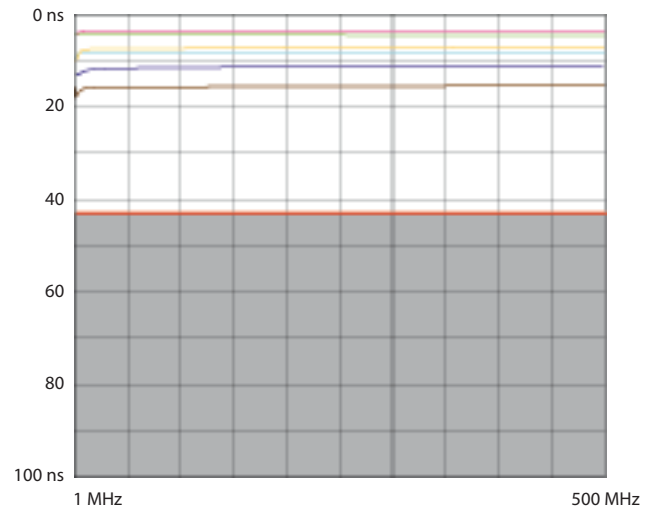
ELFEXT (Equal Level End Crosstalk Attenuation)



8. PERFORMANCE (continued)

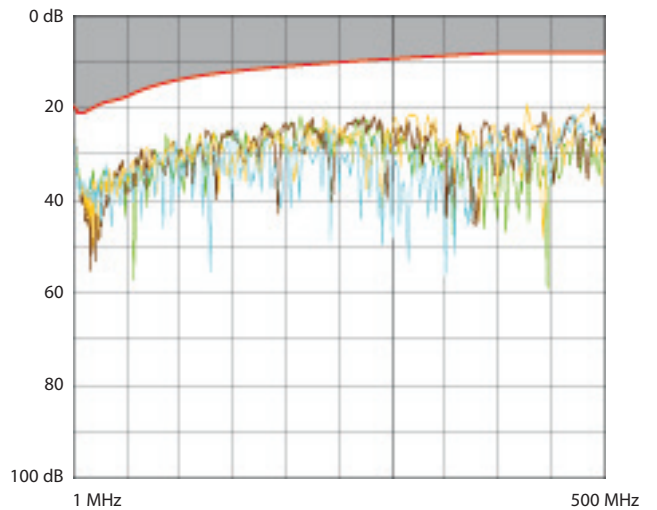
■ **8.1 Permanent link performance with F/UTP cable** (cont.)

Delay skew

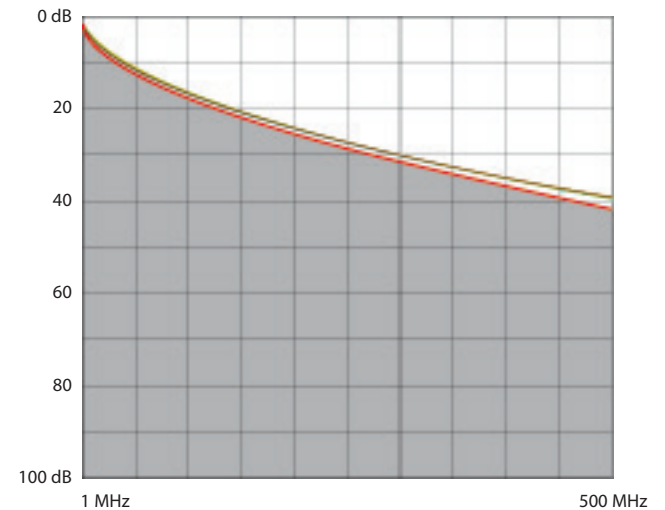


■ **8.2 Permanent link performance with S/FTP cable**

Return loss



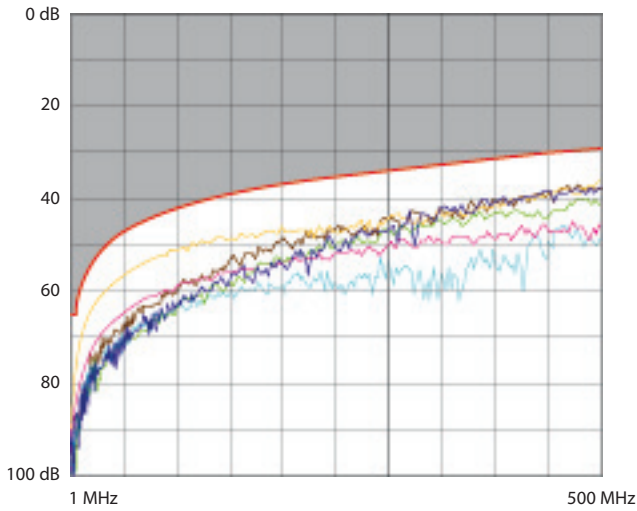
Attenuation



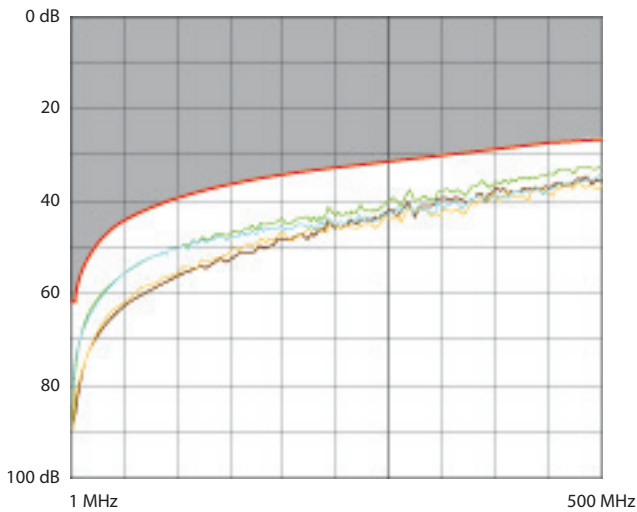
Cat. 6a STP RJ45 socket

8. PERFORMANCE (continued)

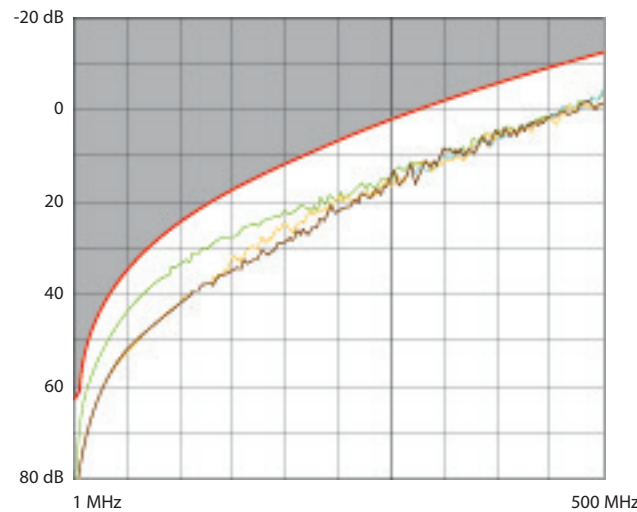
8.2 Permanent link performance with S/FTP cable (cont.)
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

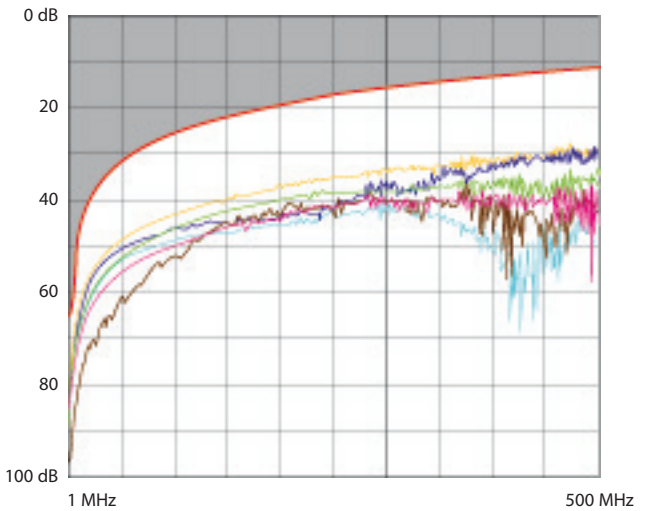


ACR (Attenuation to Crosstalk Ratio)

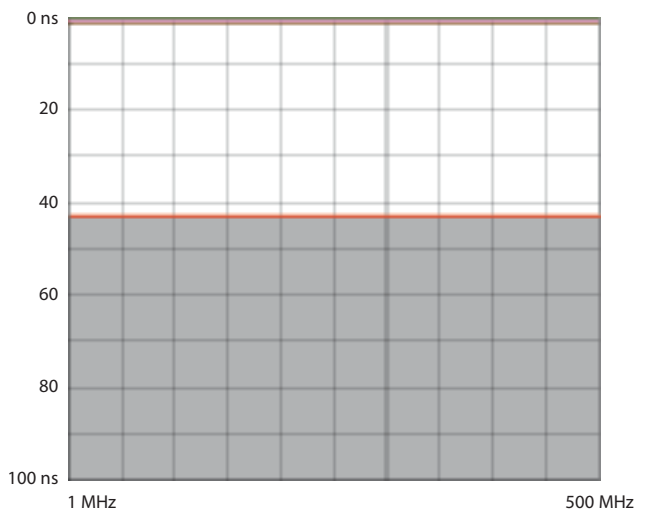


8. PERFORMANCE (continued)

8.2 Permanent link performance with S/FTP cable (cont.)
ELFEXT (Equal Level End Crosstalk Attenuation)

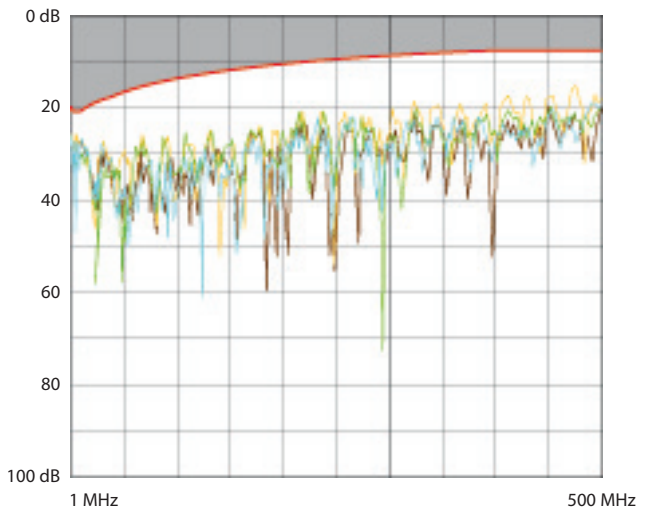


Delay skew



8.3 Channel performance

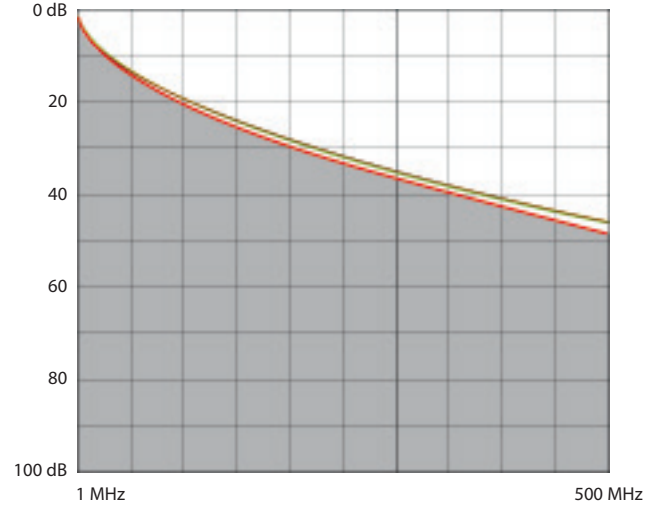
Return loss



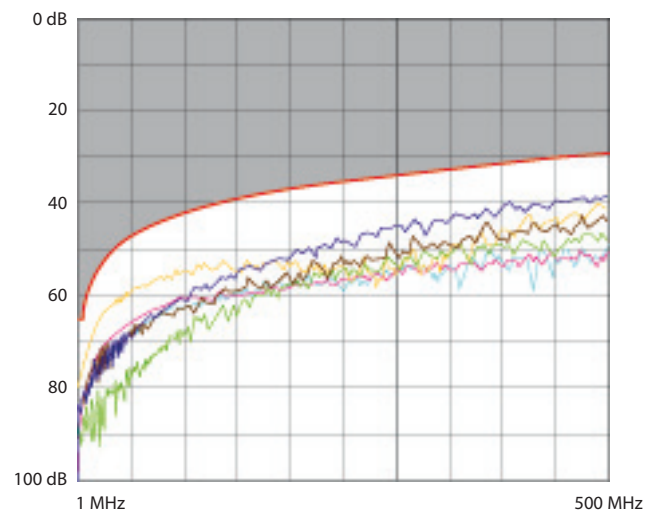
8. PERFORMANCE (continued)

8.3 Channel performance (cont.)

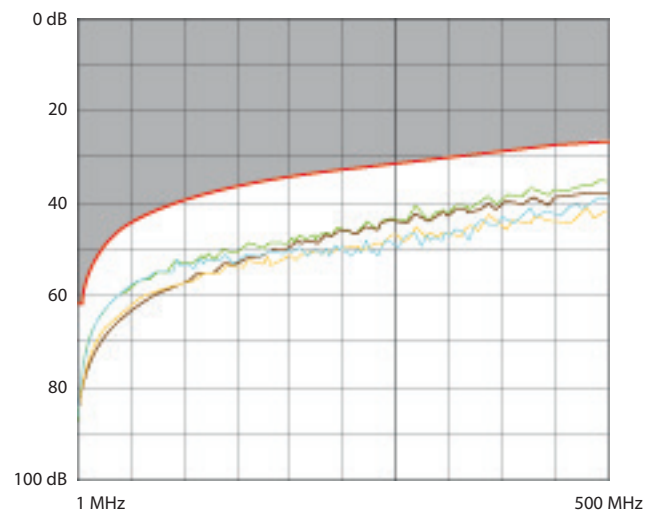
Attenuation



NEXT (Near end Crosstalk Attenuation)



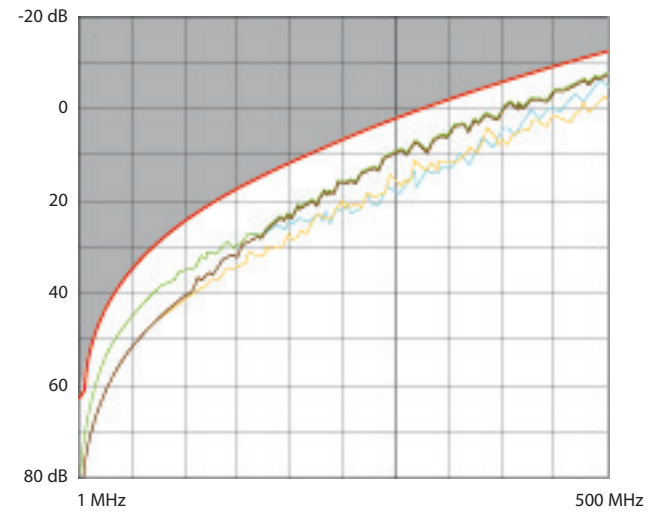
PS NEXT (Power Sum NEXT)



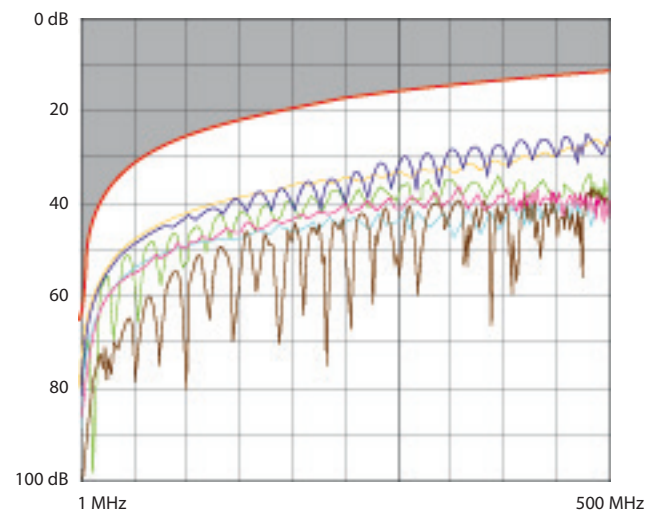
8. PERFORMANCE (continued)

8.3 Channel performance (cont.)

ACR (Attenuation to Crosstalk Ratio)



ELFEXT (Equal Level End Crosstalk Attenuation)



Delay skew

