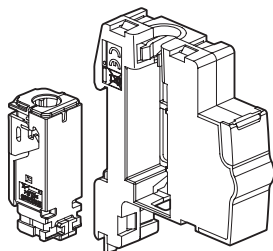


STP Category 6A patch module

Cat. No(s): 4 131 04



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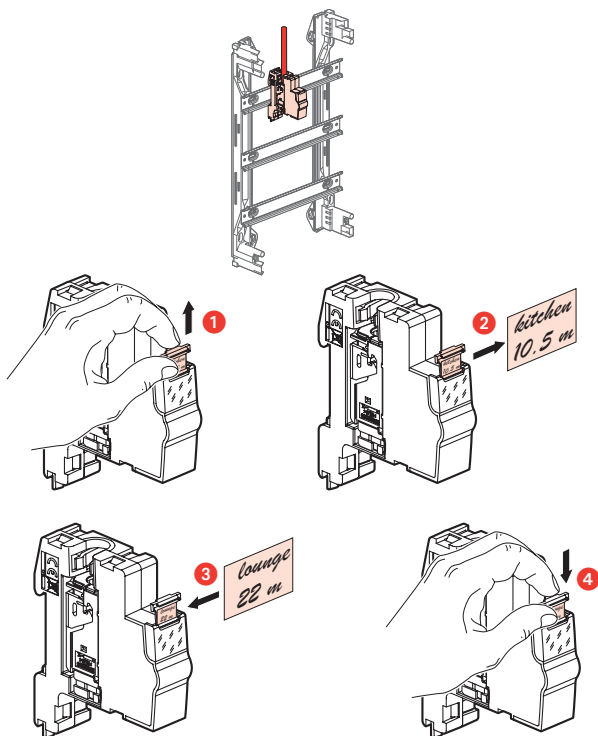
1. PRESENTATION

Patch equipment for Grade 3 TV applications.
Patch module fitted with an STP (shielded) Cat. 6A LCS³ RJ 45 connector with toolless connection certified PoE++ by an independent laboratory. Takes very high-speed transmissions (10 Gbps).
With a label-holder for marking the room in the dwelling.
DIN rail mounting.

2. SELECTION CHART

Description	Cat. No.	No. of modules	Type	Weight (g)
Category 6A patch modules	4 131 04	1	STP	36

3.1 POSITIONING



4. TECHNICAL CHARACTERISTICS

4.1 Material characteristics:

Module
Plastic casing: PC ral 7035

Connectors

Contacts: gold/nickel, minimum gold thickness > 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 M at 100 VDC
Compatible with "PoE" power supply up to 100 W (IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt)

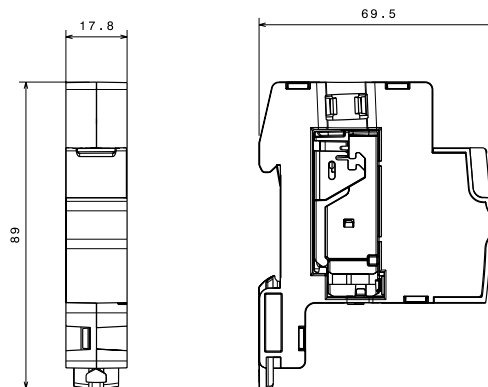
4.3 Mechanical characteristics:

Modules
Tensile resistance on DIN rail: 100 N
IP20 - IK04
Connectors
Maximum number of connections and disconnections: 5 without replacing the wire
Endurance: 2500 operations (plug-in/pull-out)
IK03

4.4 Climate characteristics:

- Operating temperature: -10°C to +60°C
Humidity: 5% to 85% (non-condensing)

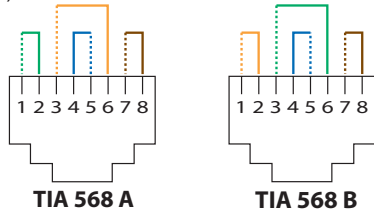
5. DIMENSIONS



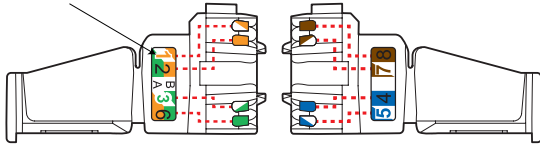
6. TYPICAL RJ 45 CONNECTION

TIA 568 A and B dual colour code:

STP (9 contacts)

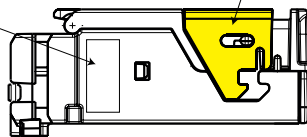


Colour code and contact number



Identification number
UTP: HD 61
STP: HD 63

Colour code category:
Cat. 6A: yellow



Permissible conductors:

- 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

Number of wires to be connected per connection:

RJ 45 connectors are equipped with a locking nut. They do not require a special tool and can be re-wired if a mistake is made.

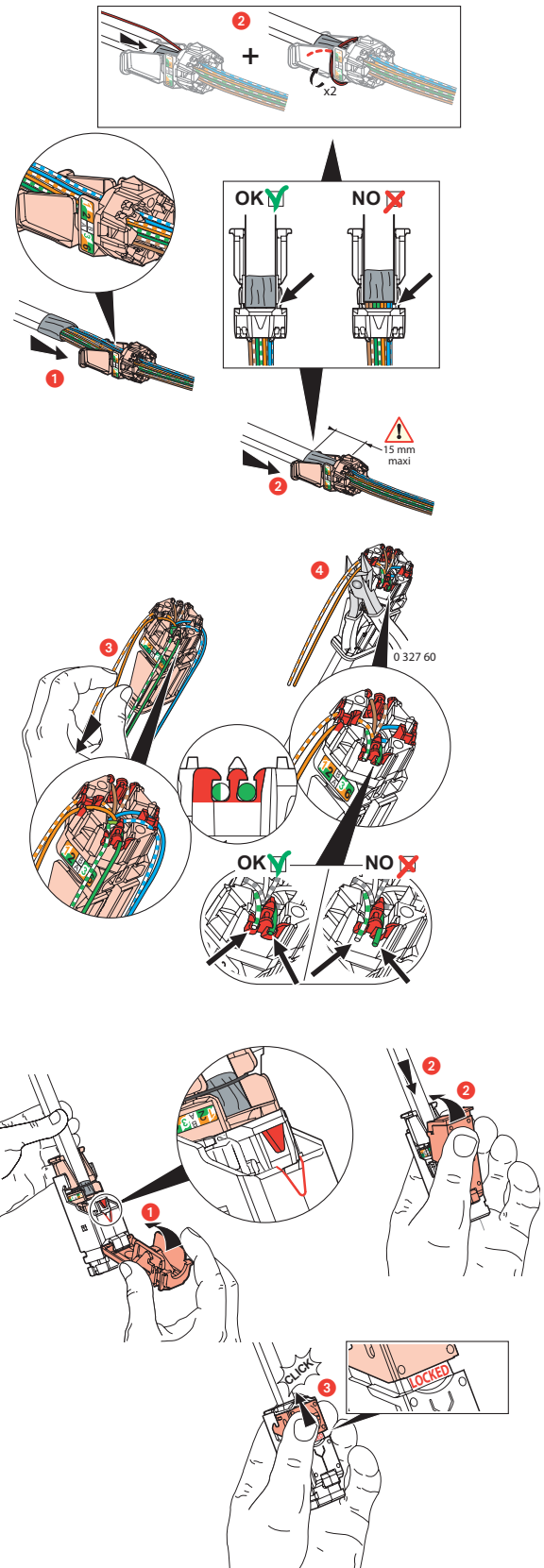
This system makes it easy to spread pairs before fitting them onto the connector.

Spreading the cables and positioning the sleeve firmly in the spreader ensures that a pair-breakage distance of 13 mm is kept between pairs, as required by the standard.

Spreading pairs at 90° to the cable ensures the best possible performance.

7. COMPLIANCE AND APPROVALS

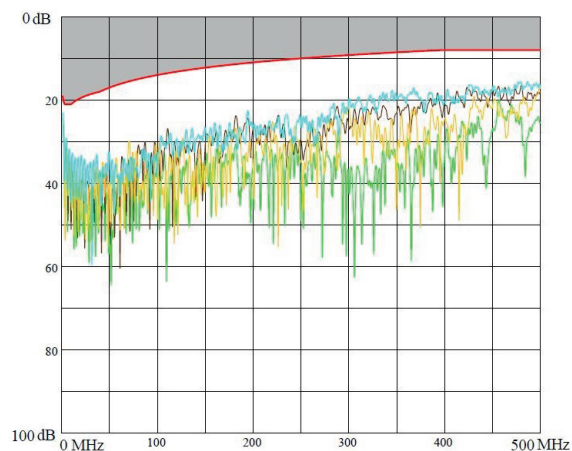
Conforming to standards:
ISO/IEC 11801 Ed3.0
IEC 60512-99-002
ANSI/TIA 568.2-D



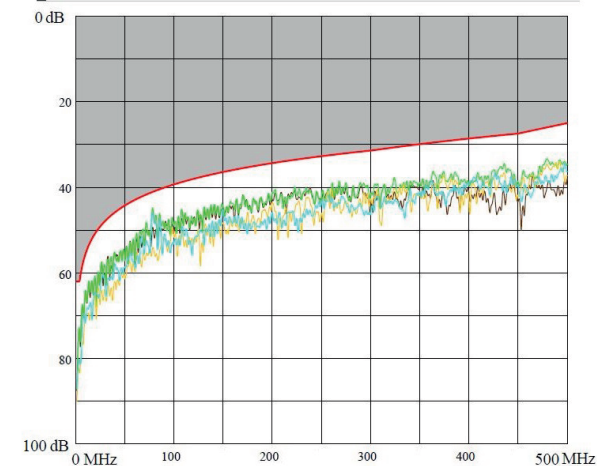
8. PERFORMANCE

■ Performance of permanent link with F/UTP cable

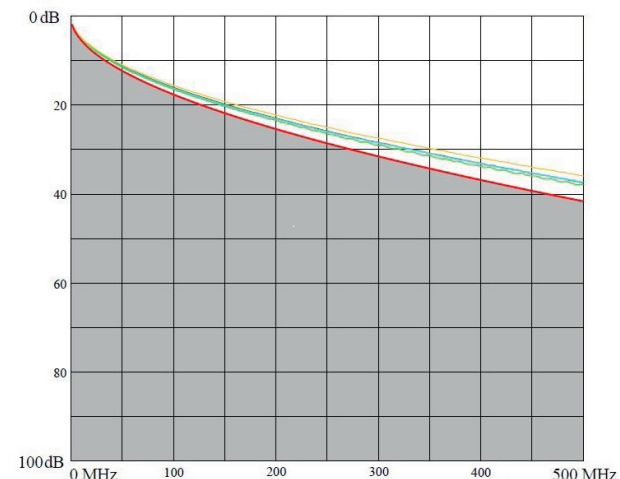
Return loss



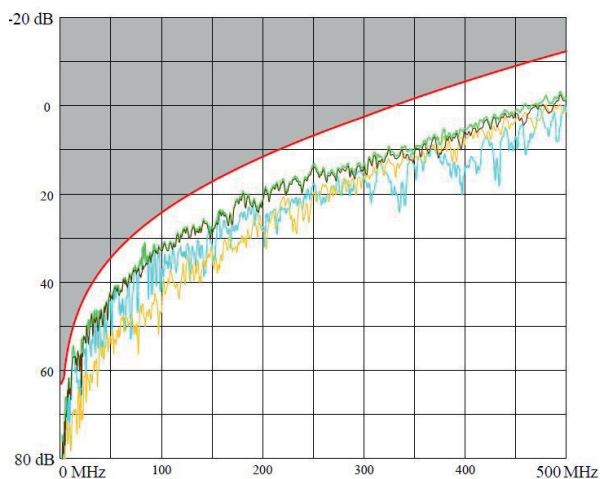
PS NEXT (Power Sum NEXT)



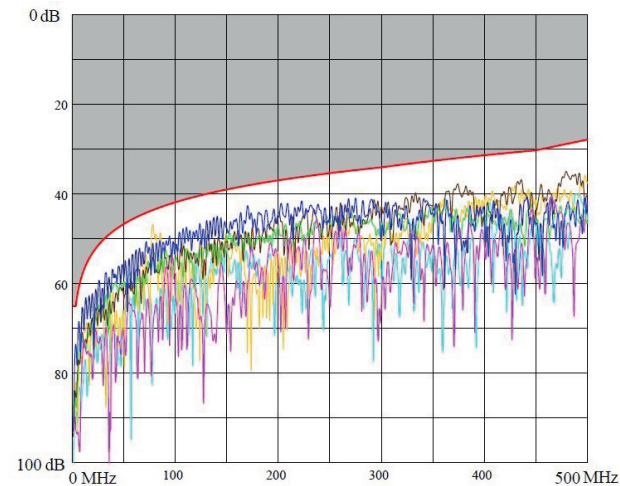
Attenuation



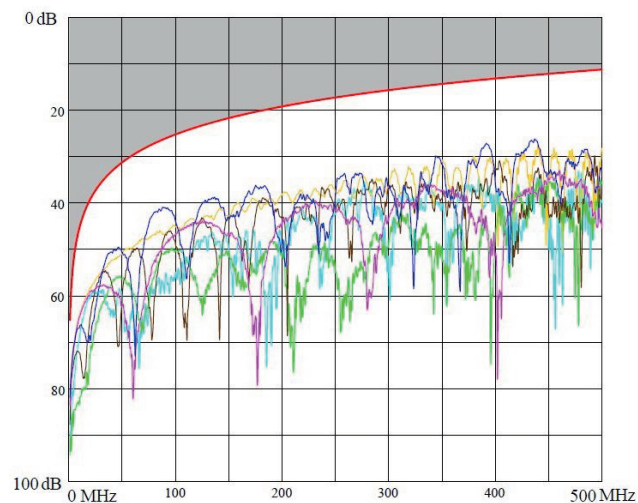
ACR (Attenuation to Crosstalk Ratio)



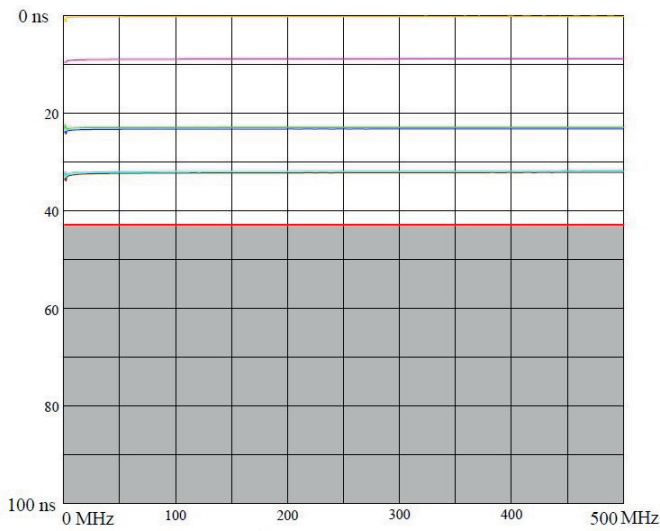
NEXT (Near End Crosstalk Attenuation)



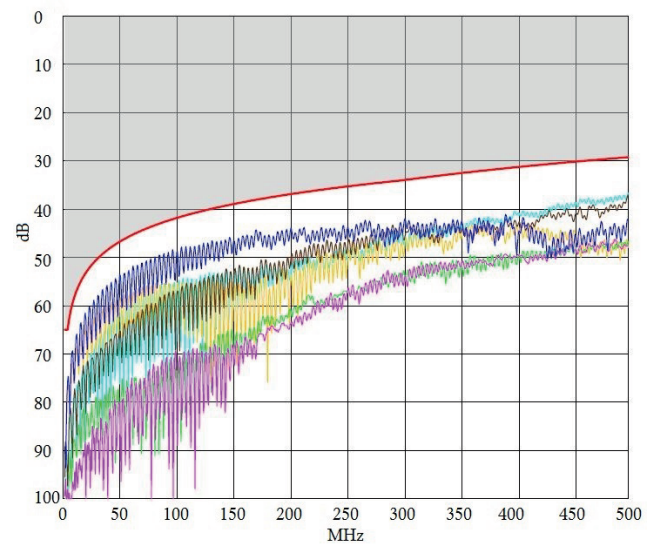
ELFEXT (Equal Level Far End Crosstalk Attenuation)



Delay skew

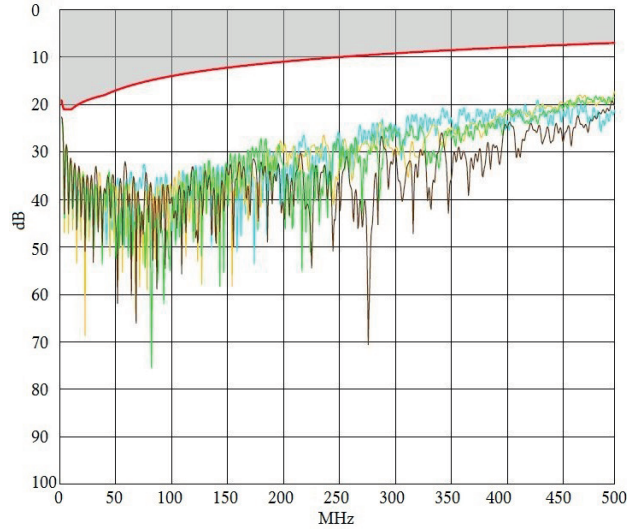


NEXT (Near End Crosstalk Attenuation)

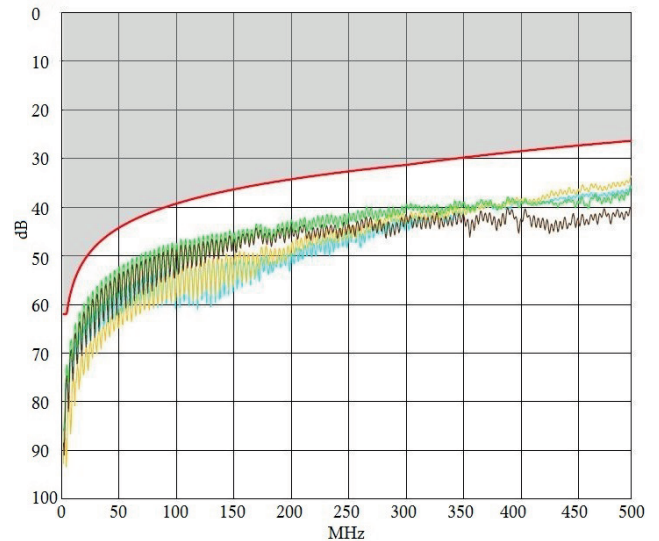


■ Performance of permanent link with S/FTP cable

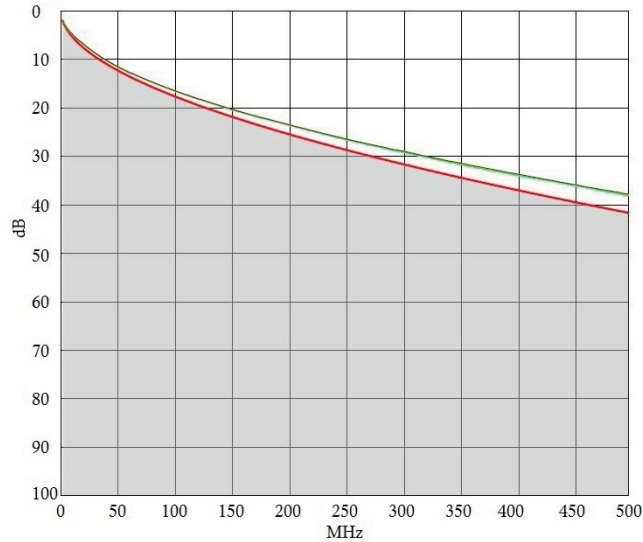
Return loss



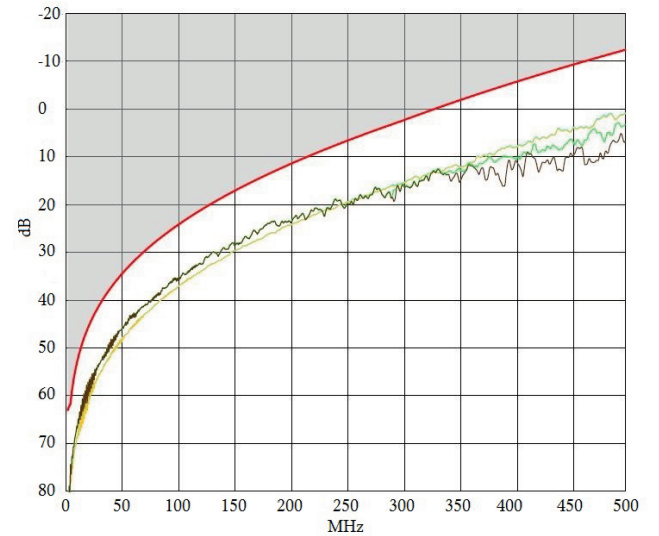
PS NEXT (Power Sum NEXT)



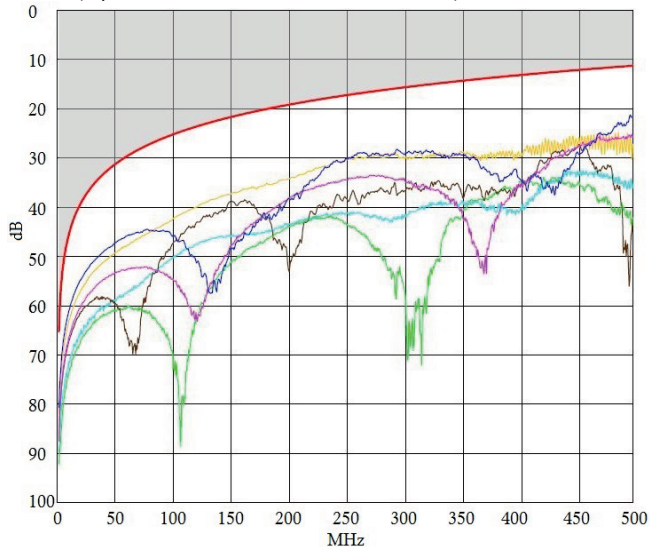
Attenuation



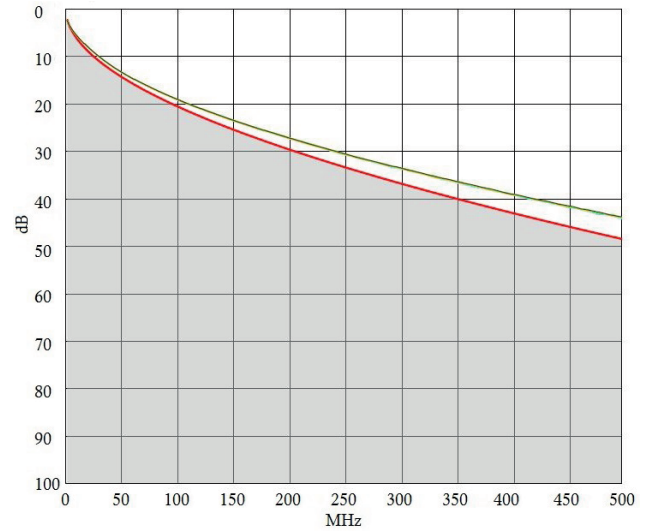
ACR (Attenuation to Crosstalk Ratio)



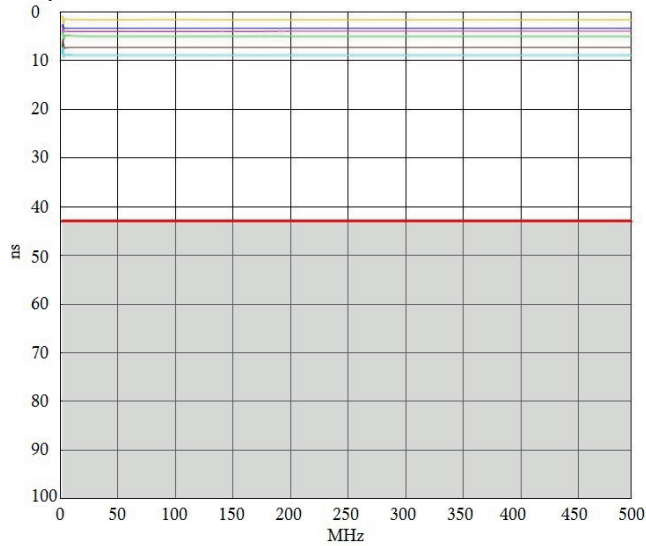
ELFEXT (Equal Level Far End Crosstalk Attenuation)



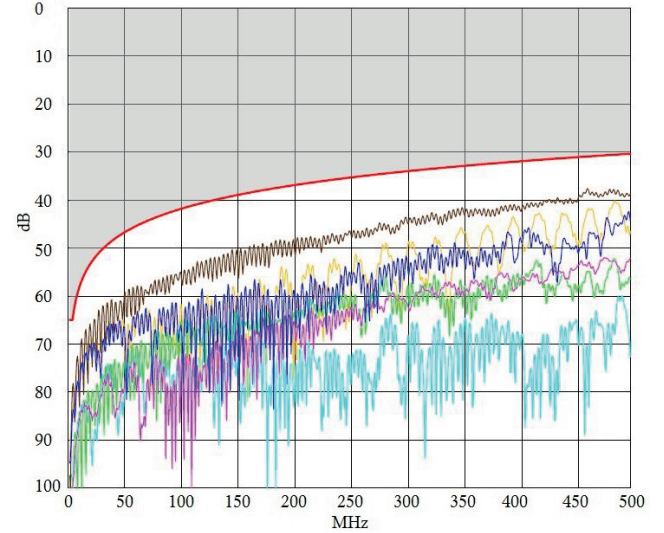
Attenuation



Delay skew

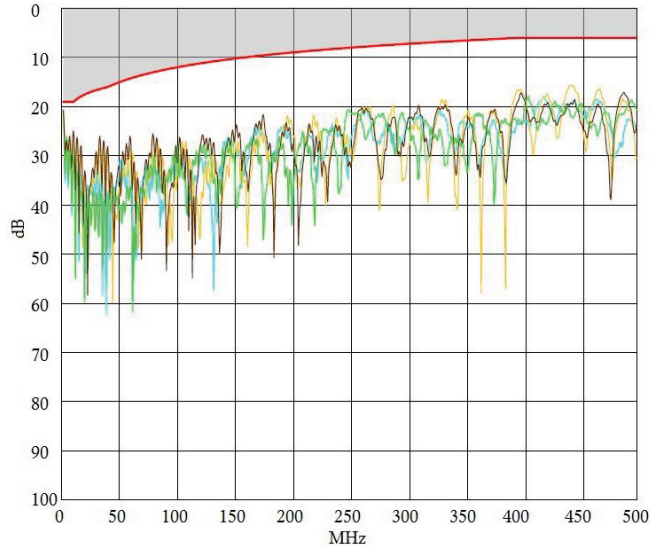


NEXT (Near End Crosstalk Attenuation)



■ Channel performance

Return loss



PS NEXT (Power Sum NEXT)

