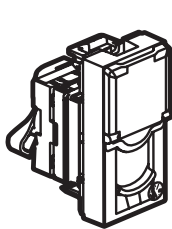
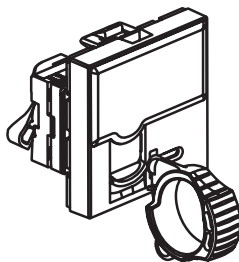


Arteor™
LCS2 Cat. 6A STP RJ 45 socket

Cat. No(s): 5 723 06 - 5 734 32 - 5 728 06 - 5 737 32 - 5 723 51/52
5 728 51/52 - 5 723 50 - 5 728 50



5 723 06



5 723 50

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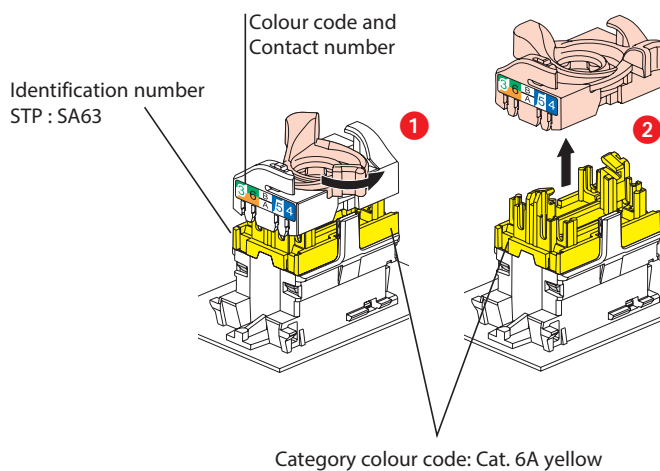
1. General characteristics1
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1. GENERAL CHARACTERISTICS

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 F/UTP or S/FTP cables.

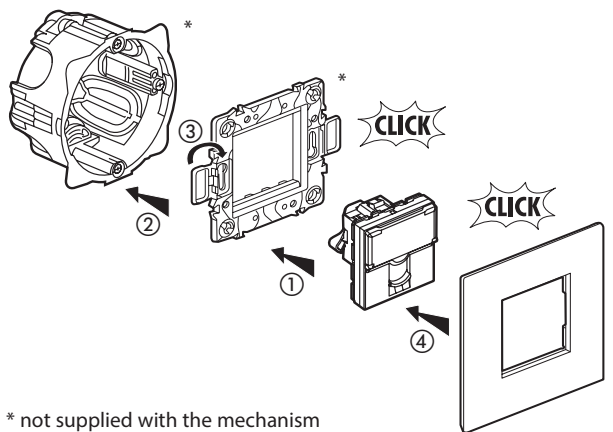
2. PRESENTATION

| | Désignation | Nbre de modules | STP |
|--|---|-----------------|----------------------|
| | RJ 45 socket Cat. 6A STP white | 1 | 5 723 06 5 734 32 |
| | RJ 45 socket Cat. 6A STP magnesium | 1 | 5 728 06 5 737 32 |
| | RJ 45 safety socket Cat. 6A STP white | 2 | 5 723 50 |
| | RJ 45 safety socket Cat. 6A STP magnesium | 2 | 5 728 50 |
| | RJ 45 socket Cat. 6A STP white orange cover | 1 | 5 723 51 |
| | RJ 45 socket Cat. 6A STP white green cover | 1 | 5 723 52 |
| | RJ 45 socket Cat. 6A STP magnesium orange cover | 1 | 5 728 51 |
| | RJ 45 socket Cat. 6A STP magnesium green cover | 1 | 5 728 52 |

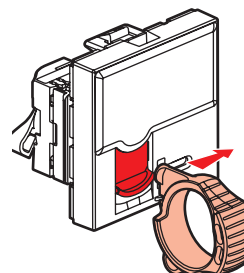


3. REAL LIFE SCENARIOS

Mechanisms can be flush-mounted or surface-mounted.



Unlocking



0 334 80

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
For STP products the body and the spreader are made of metal alloy with a copper-nickel coating.

4.2 Electrical characteristics

Breakdown voltage ≥ 1000 V
Contact resistance ≤ 20 mΩ
Insulation resistance ≥ 500 MΩ at 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).

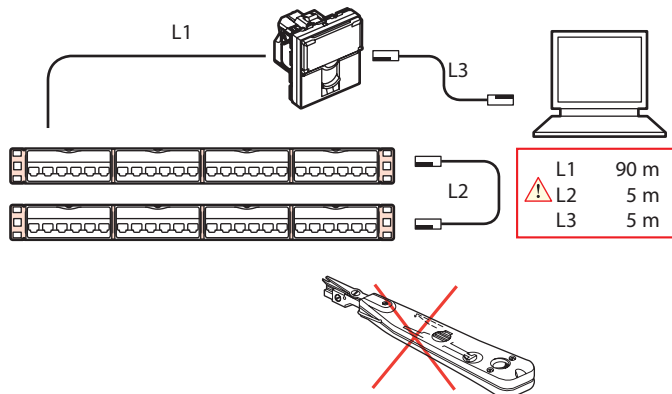
4.3 Mechanical characteristics

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

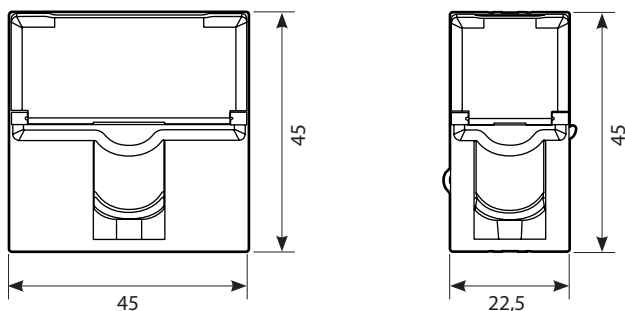


6. OVERALL DIMENSIONS

Front view:

5 723 50 - 5 728 50

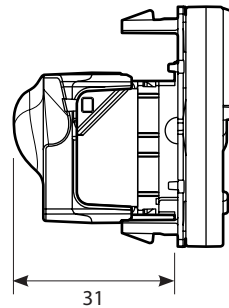
5 723 06 - 5 734 32 - 5 728 06
5 737 32 - 5 723 51/52 - 5 728 51/52



6. OVERALL DIMENSIONS (cont.)

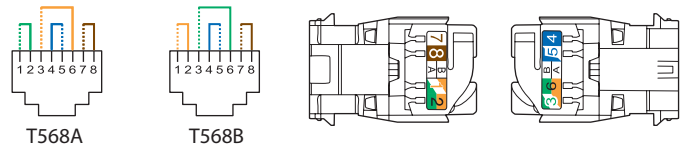
Side view:

5 723 06 - 5 734 32
5 728 06 - 5 737 32 - 5 723 51/52
5 728 51/52 - 5 723 50 - 5 728 50



7. USUAL CONNECTION OF RJ 45

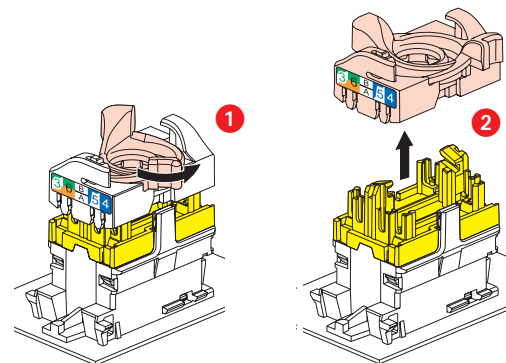
Accepts the following cable connectors:
RJ11 (4 contacts), RJ12 (6 contacts), RJ45 (9 contacts).
Double colour code T568A and T568B on terminals:
- STP 9 contacts 360° screen



Conductors supported:

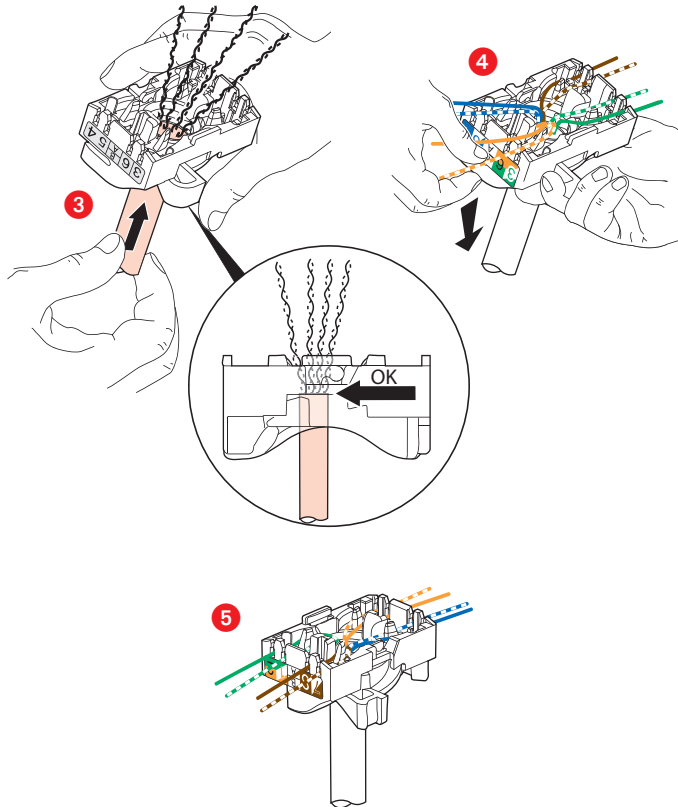
- Solid/stranded: 0.4 to 0.65 mm, AWG 26 to 22
- Polyethylene conductor insulation: Ø 0.85 to 1.7 mm on insulation.

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

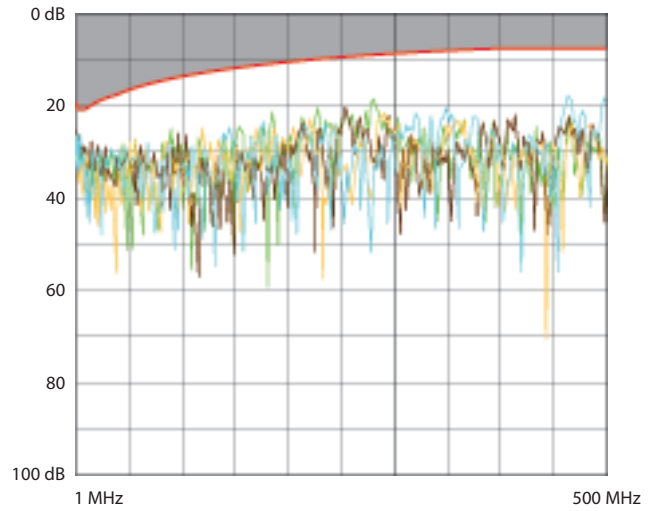
8. STANDARDS AND APPROVALS

- 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

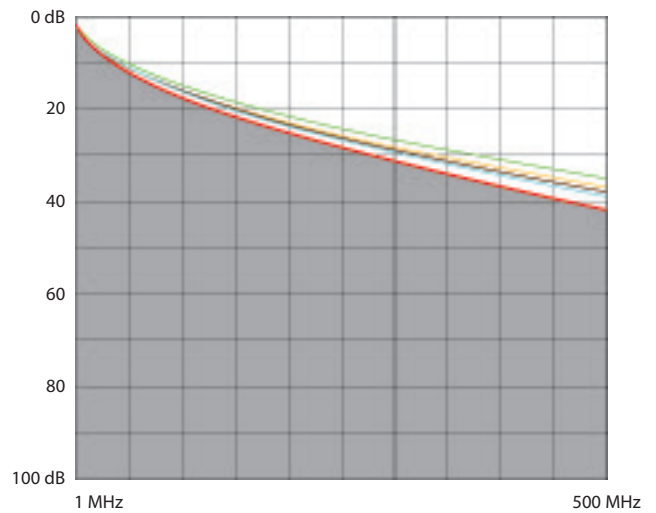
Connectors are compliant to requirements for the following remote powering applications
IEEE 802.3af , IEEE 802.3at , IEEE 802.3bt : "Power over Ethernet", Types 1 to 4, up to 90W.

9. PERFORMANCE

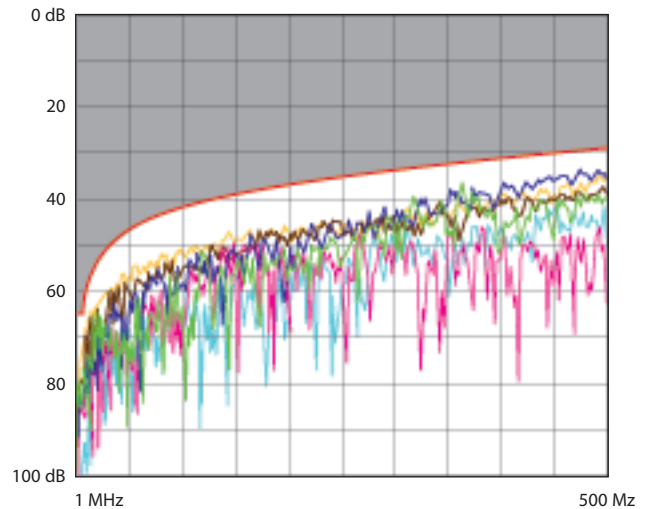
9.1 Performance of permanent link with F/UTP cable
Return loss



Attenuation

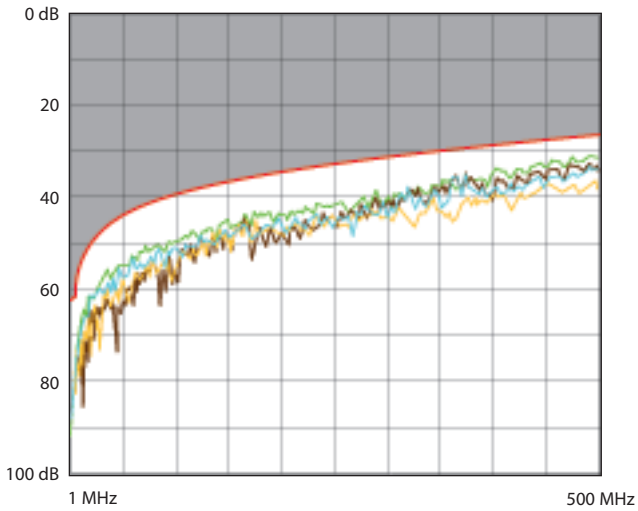


NEXT (Near end Crosstalk Attenuation)

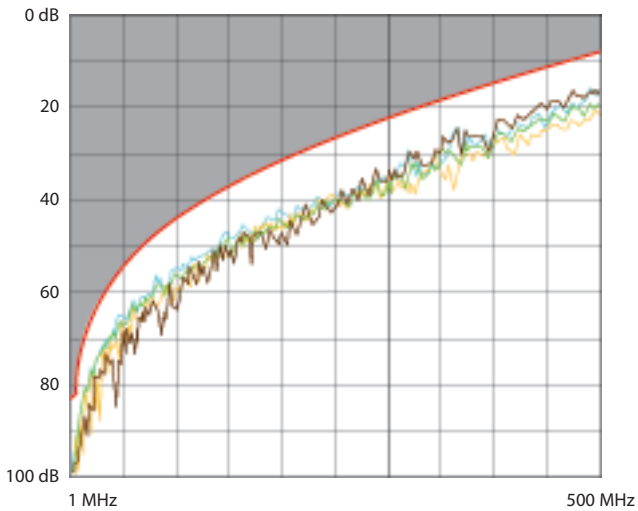


9. PERFORMANCE (cont.)

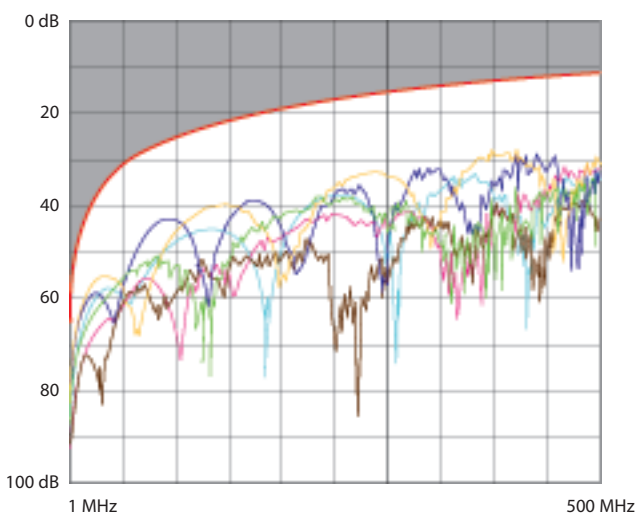
9.1 Performance of permanent link with F/UTP cable (cont.)
PS NEXT (Power Sum NEXT)



ACR-N (Attenuation to Crosstalk Ratio)

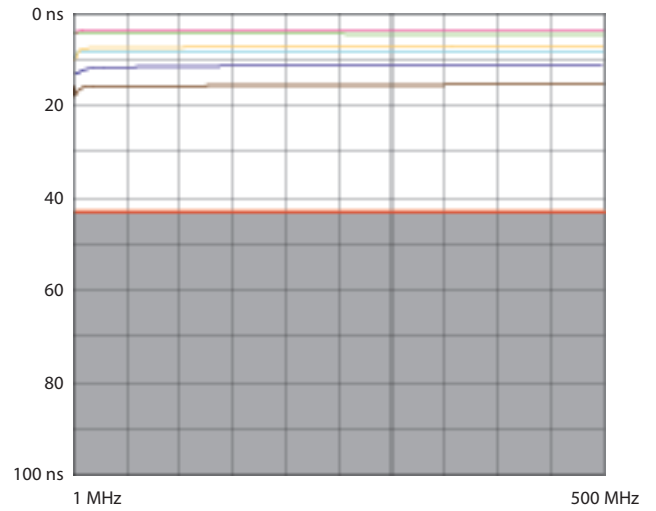


ACR-F (Equal Level End Crosstalk Attenuation)

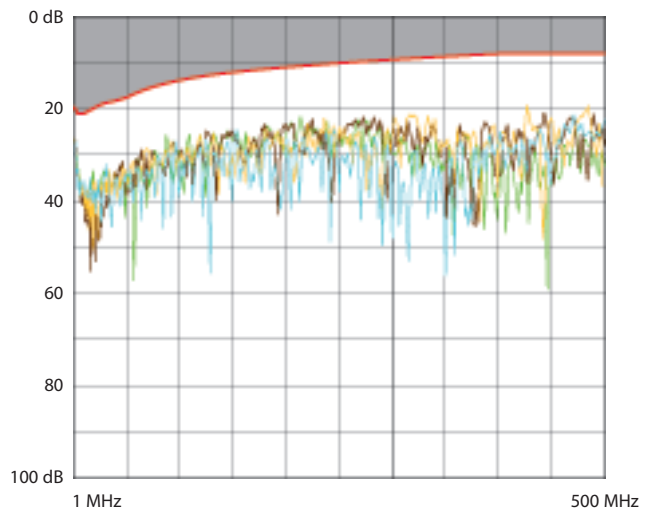


9. PERFORMANCE (cont.)

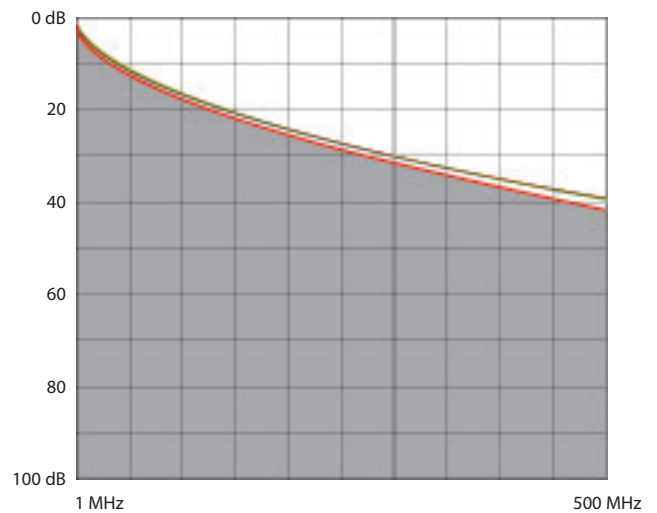
9.1 Performance of permanent link with F/UTP cable (cont.)
Delay skew



9.2 Performance of permanent link with S/FTP cable
Return loss

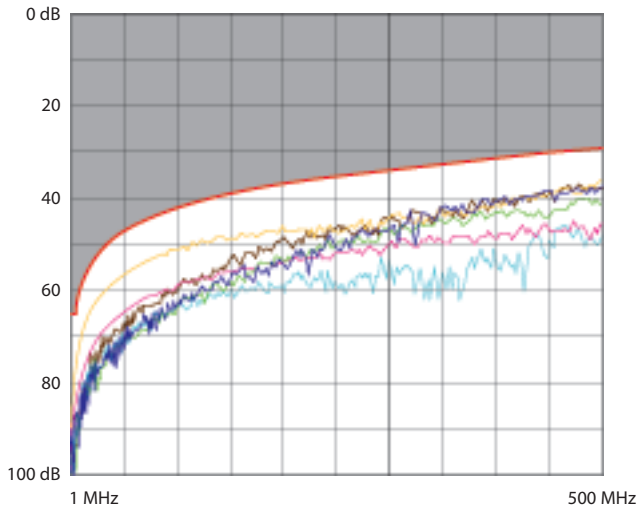


Attenuation

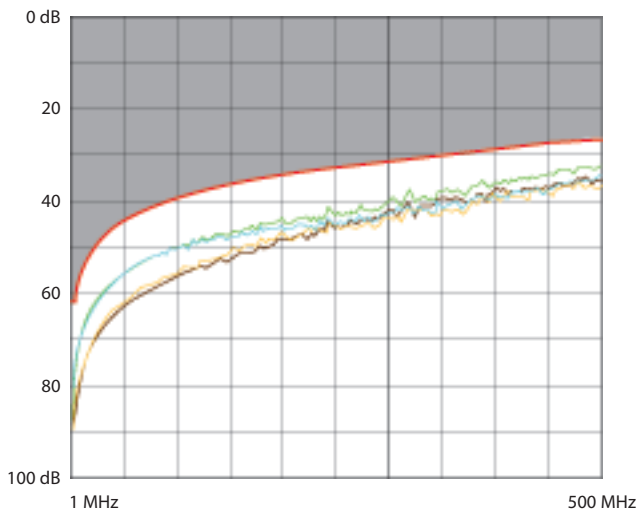


9. PERFORMANCE (cont.)

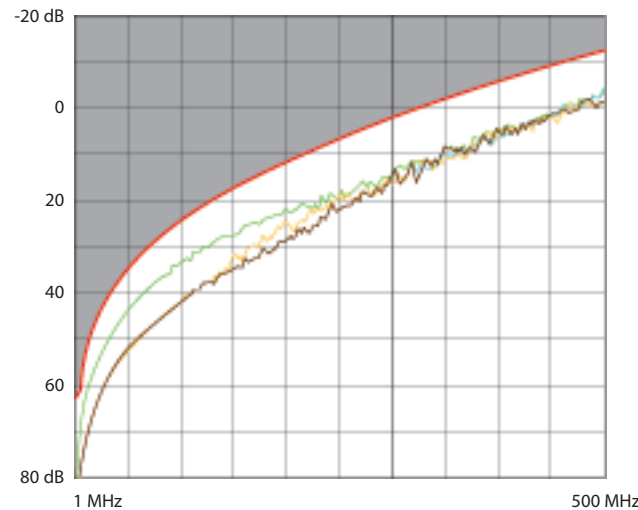
9.2 Performance of permanent link with S/FTP cable (cont.)
NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

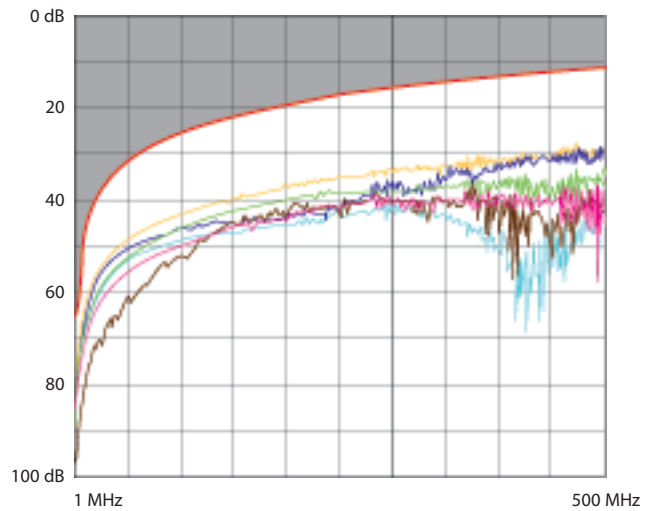


ACR-N (Attenuation to Crosstalk Ratio)

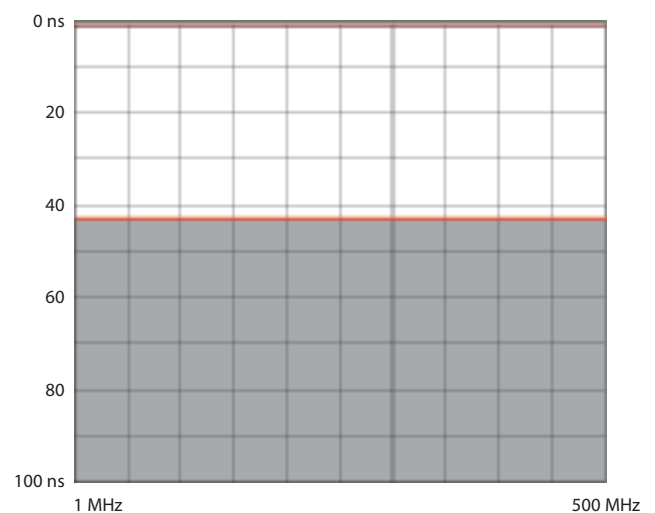


9. PERFORMANCE (cont.)

9.2 Performance of permanent link with S/FTP cable (cont.)
ACR-F (Equal Level End Crosstalk Attenuation)

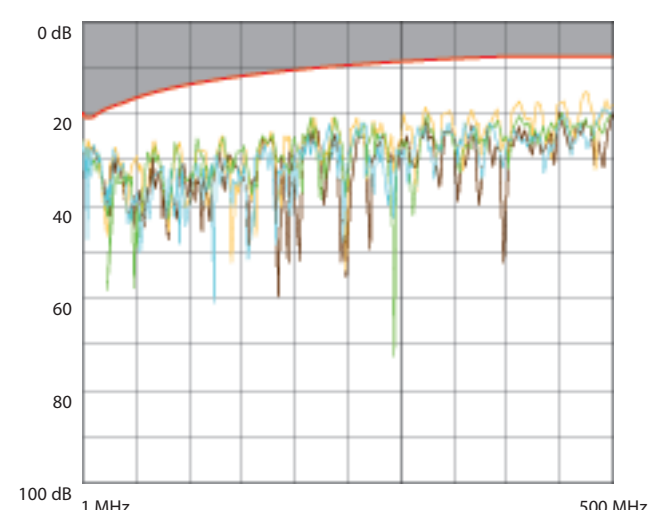


Delay skew



9.3 Performances canal (Channel)

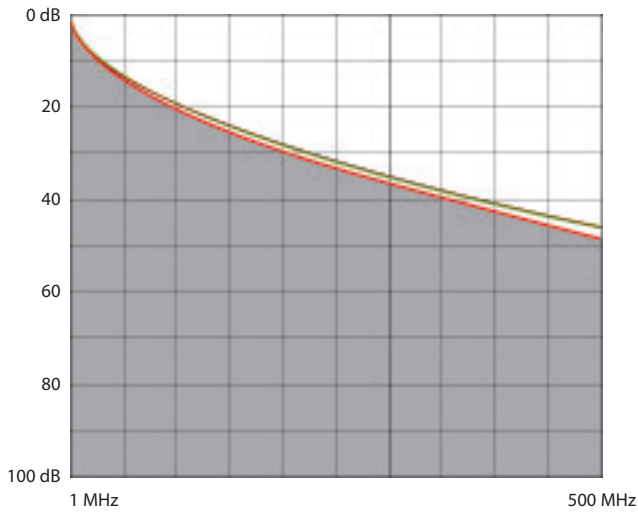
Return loss



9. PERFORMANCE (cont.)

9.3 Channel performance (cont.)

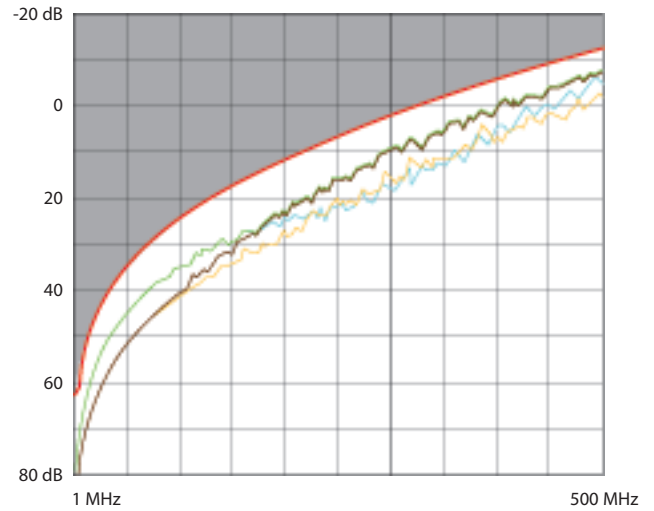
Attenuation



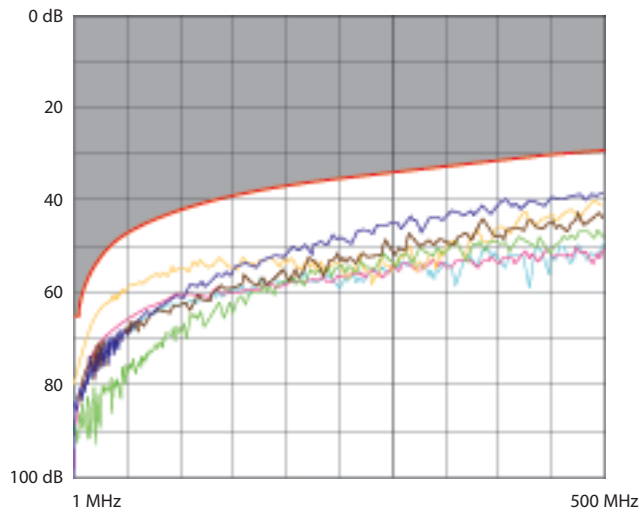
9. PERFORMANCE (cont.)

9.3 Performances canal (Channel) (cont.)

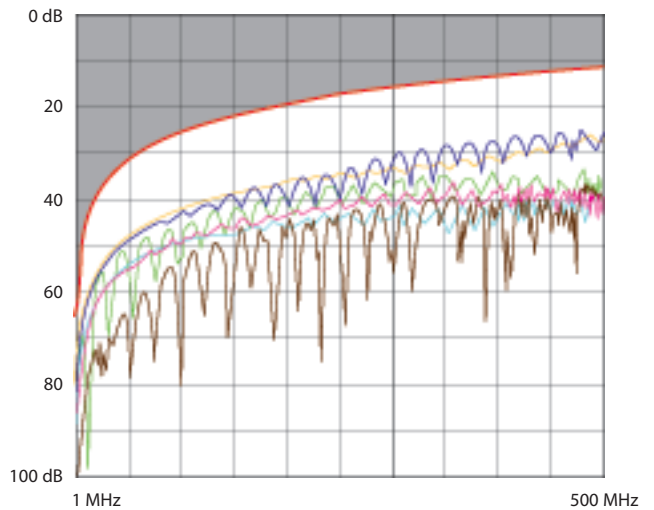
ACR-N (Attenuation to Crosstalk Ratio)



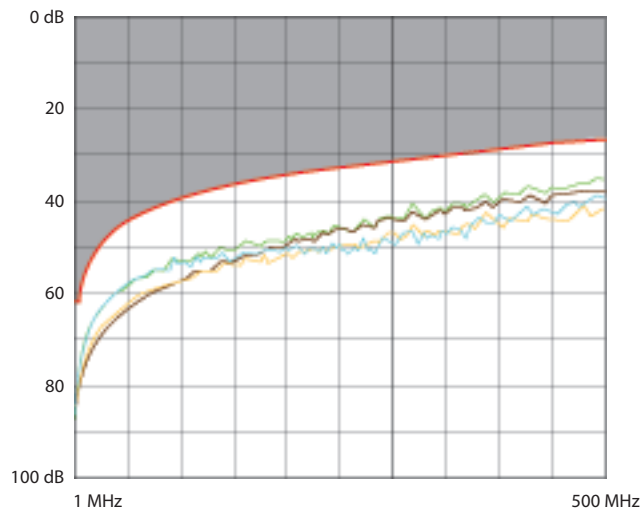
NEXT (Near end Crosstalk Attenuation)



ACR-F (Equal Level End Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



Delay skew

