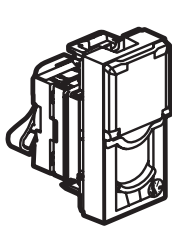
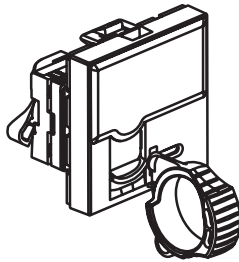


Arteor™
LCS2 Cat. 6A STP RJ 45 socket

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

CONTENTS

Page

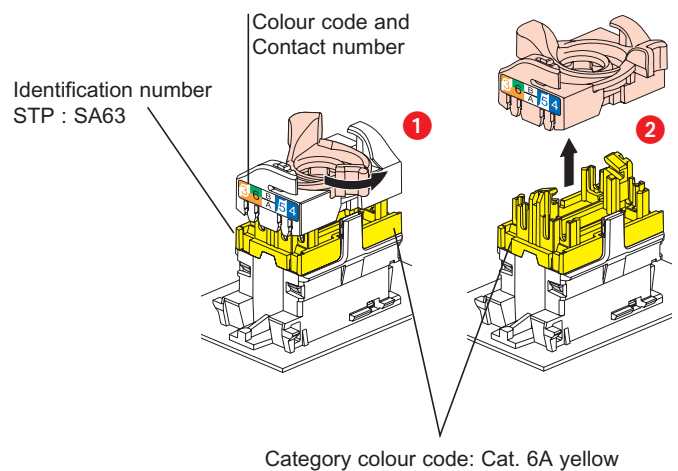
1. General characteristics 1
2. Presentation 1
3. Real life scenarios 1
4. Technical characteristics 2
5. Connection 2
6. Overall dimensions 2
7. Usual connection of RJ 45 sockets ... 2
8. Standards and approvals 3
9. Performance 3-6

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.

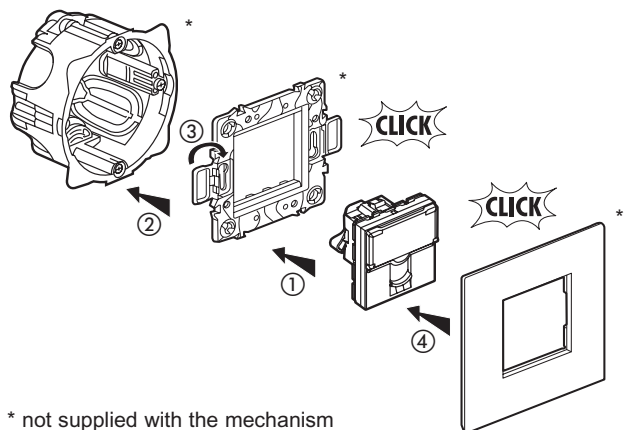
2. PRESENTATION

	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

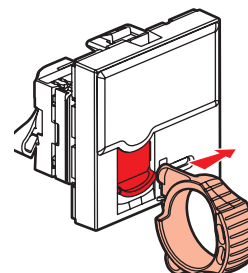


3. REAL LIFE SCENARIOS

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
Connector tested and guaranteed under PoE restrictions, IEEE 802.3af standard and PoE+, draft standard 802.3at, up to 2500 on-load connections / disconnections.

Tests are carried out with 2 simultaneous PoE+ circuits for a minimum total power of 50 W.

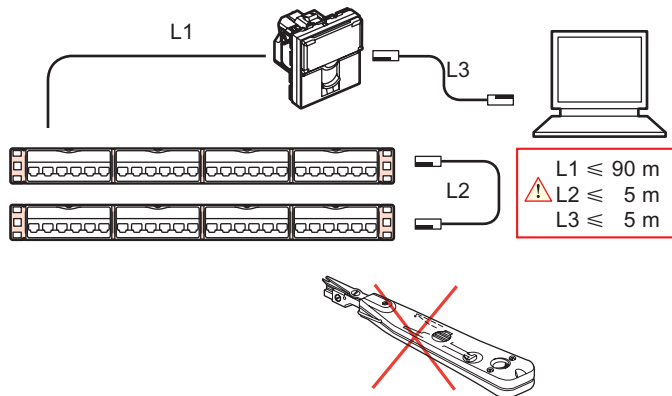
4.3 Mechanical characteristics

Max. number of connections and disconnections: 5 without refreshing the wiring.
Endurance: 2500 movements (plug insertion/withdrawal) IK03

4.4 Climatic characteristics

Operating temperature: - 40° C to + 70° C
Humid heat cycle 21 days

5. CONNECTION

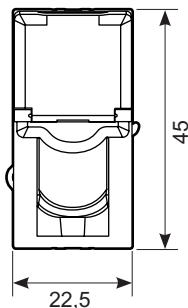
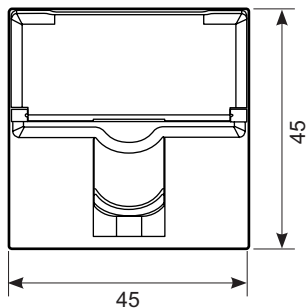


6. OVERALL DIMENSIONS

Front view:

5 723 50 - 5 728 50

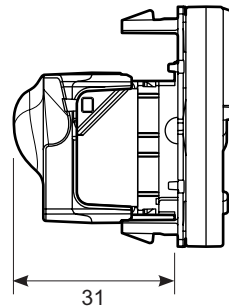
5 723 06 - 5 734 32 - 5 728 06
5 737 32 - 5 723 51/52 - 5 728 51/52



6. OVERALL DIMENSIONS (cont.)

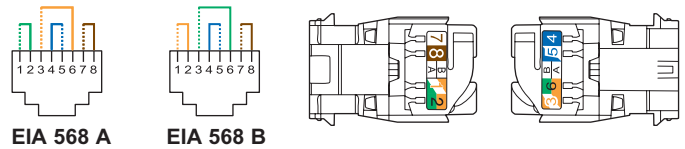
Side view:

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

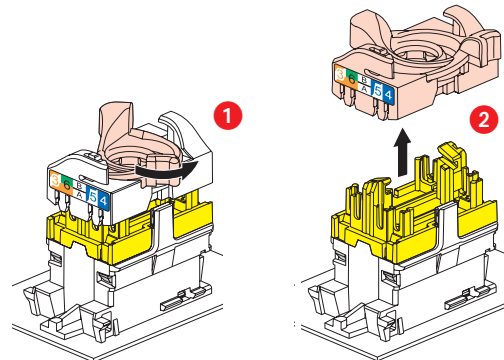
Accepts the following cable connectors:
RJ11 (4 contacts), RJ12 (6 contacts), RJ45 (9 contacts).
Double colour code EIA – TIA 568 A and B on terminals:
- STP 9 contacts 360° screen



Conductors supported:

- Single-wire: 0.5 to 0.65 mm, AWG 22 to 25
- Multiple-wire: AWG 26
- Polyethylene conductor insulation: max Ø with insulation 1.58 mm.

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.

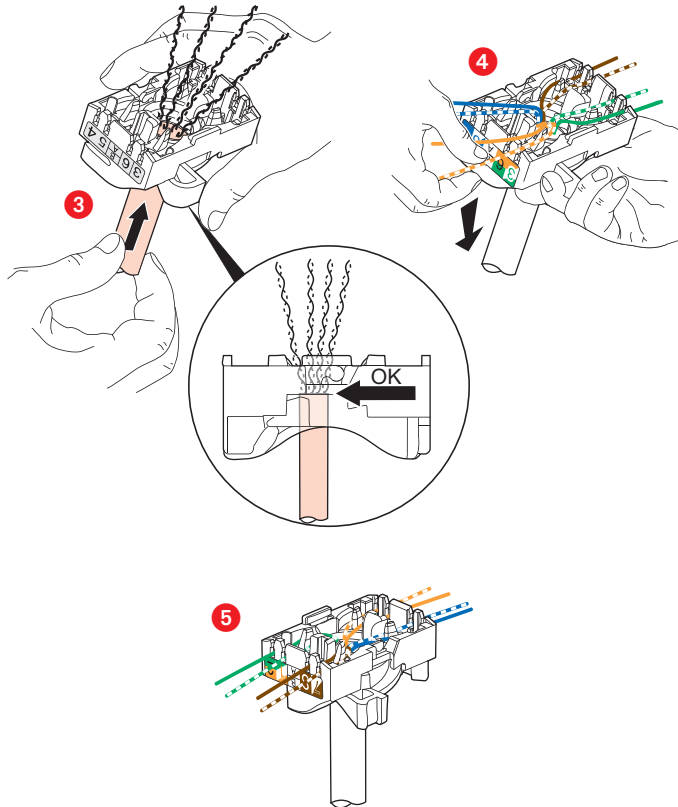


Arteor™
LCS2 Cat. 6A STP RJ 45 socket

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

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.

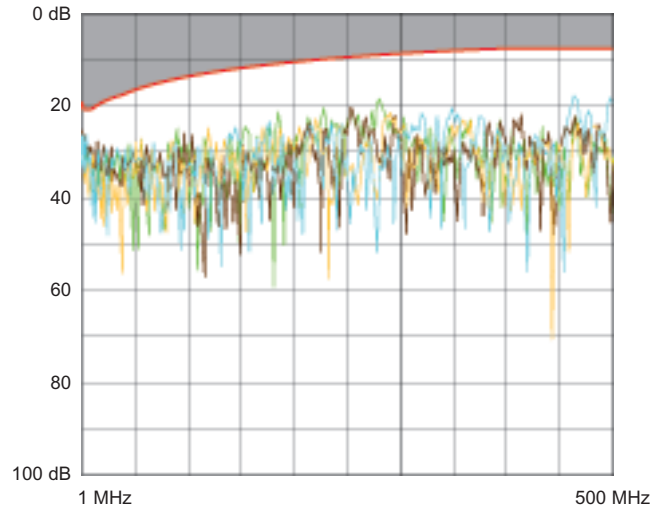
8. STANDARDS AND APPROVALS

Compliant with standards: ISO 11801 Second edition
 EN 50173 Second edition
 EIA/TIA-568-B.2
 NF C 20730
 Standard 8877 - 603.7

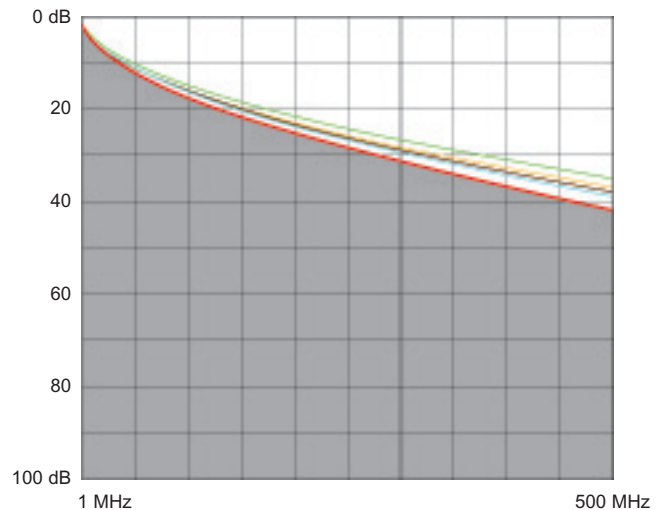
9. PERFORMANCE

9.1 Performance of permanent link with F/UTP cable

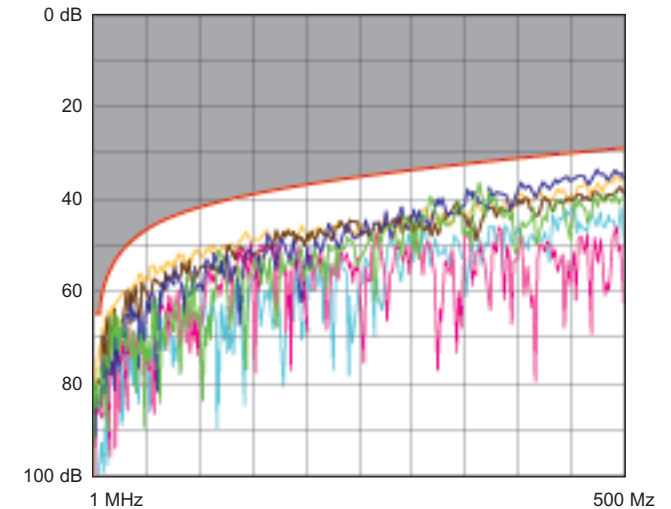
Return loss



Attenuation



NEXT (Near end Crosstalk Attenuation)

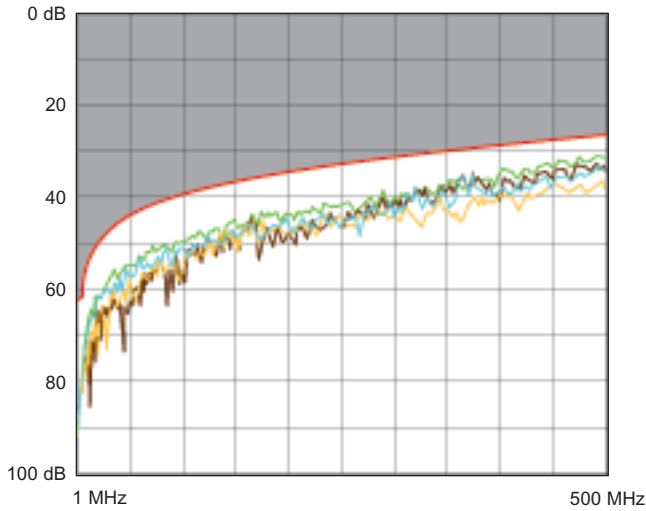


Arteor™
LCS2 Cat. 6A STP RJ 45 socket

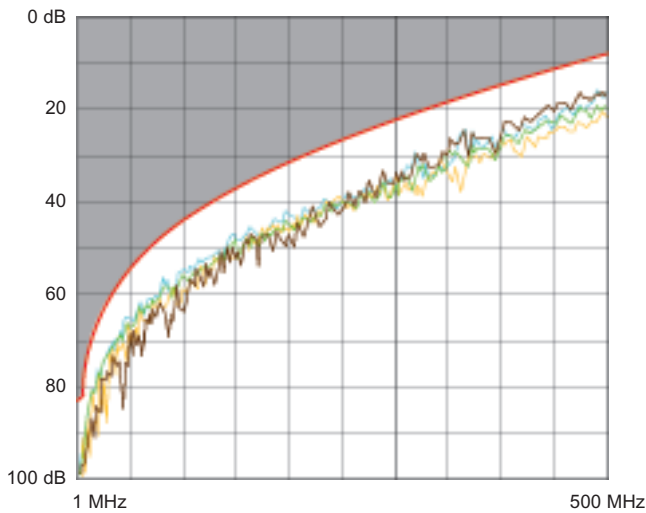
Cat. No(s): 5 723 06 - 5 734 32 - 5 728 06 - 5 737 32 - 5 723 51/52
 5 728 51/52 - 5 723 50 - 5 728 50

9. PERFORMANCE (cont.)

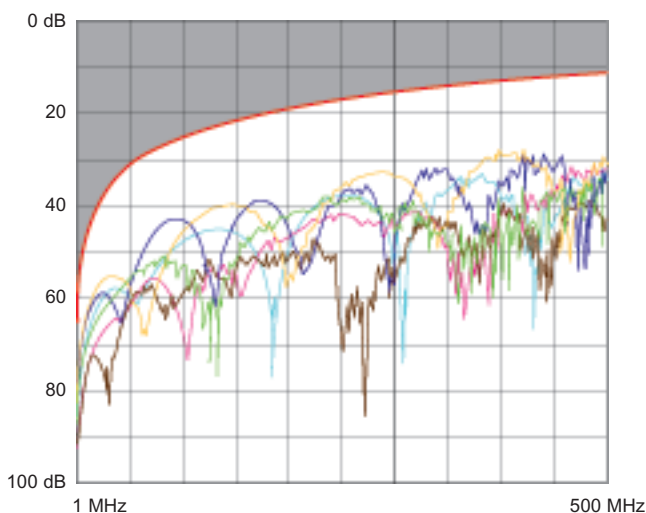
9.1 Performance of permanent link with F/UTP cable (cont.)
 PS NEXT (Power Sum NEXT)



ACR-N (Attenuation to Crosstalk Ratio)

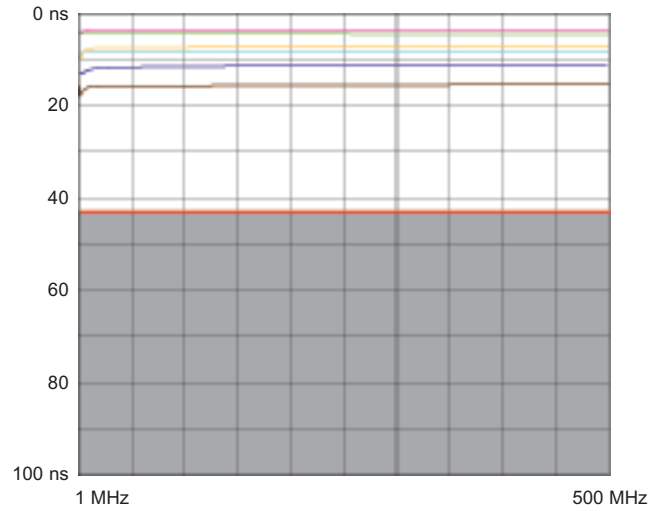


ACR-F (Equal Level End Crosstalk Attenuation)



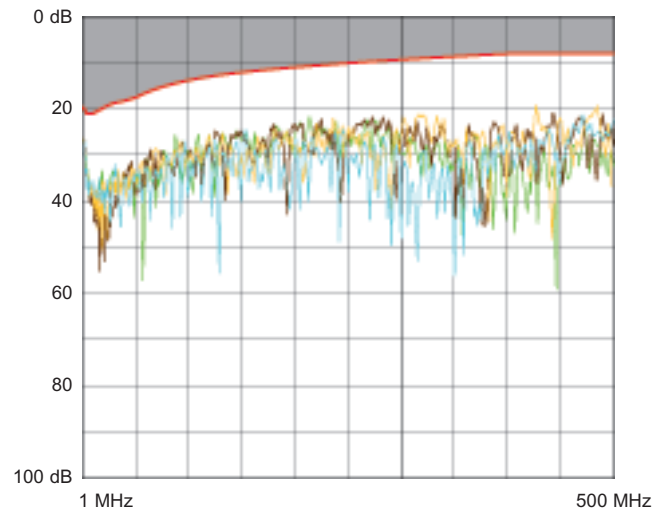
9. PERFORMANCE (cont.)

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

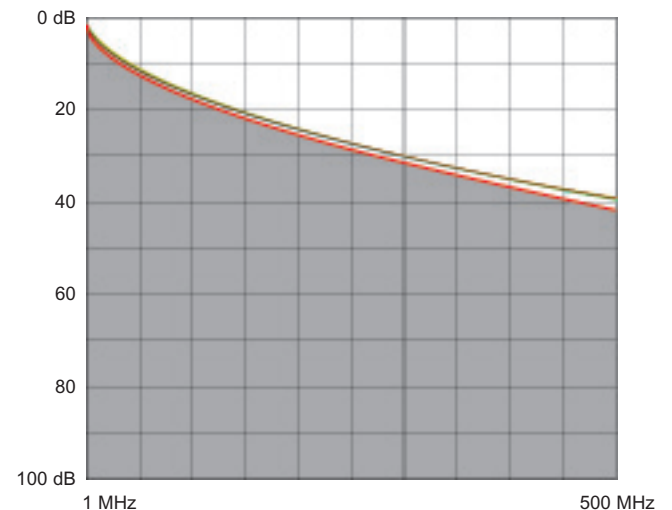


9.2 Performance of permanent link with S/FTP cable

Return loss

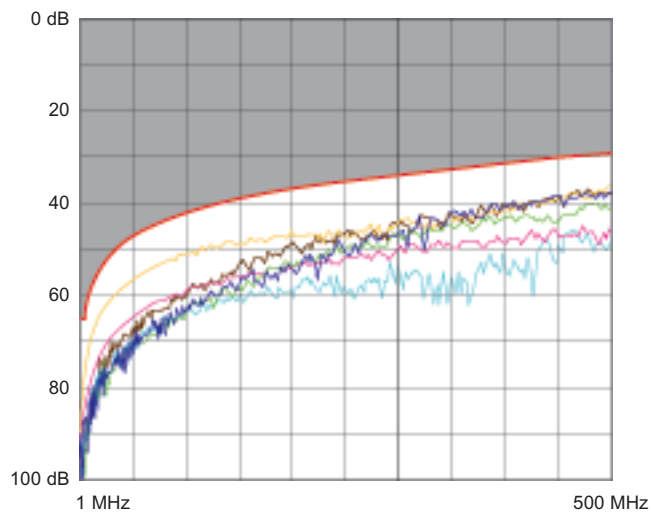


Attenuation

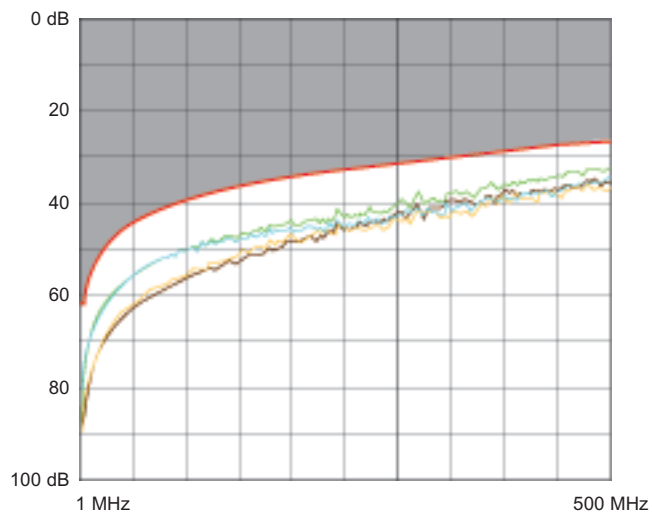


9. PERFORMANCE (cont.)

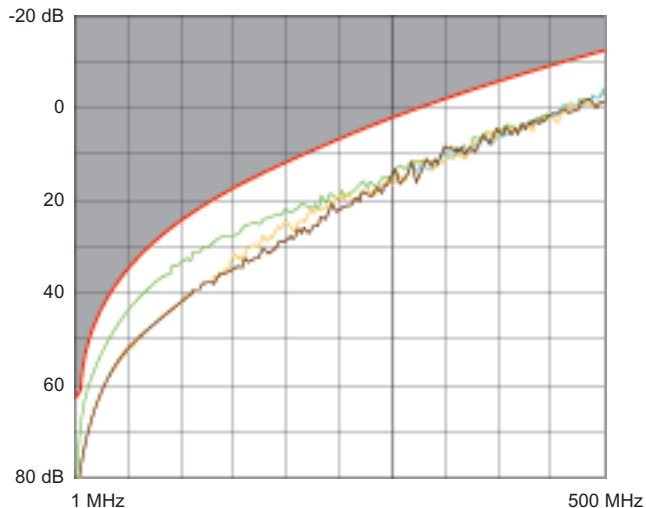
9.2 Performance of permanent link with S/FTP cable (cont.)
 NEXT (Near end Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)

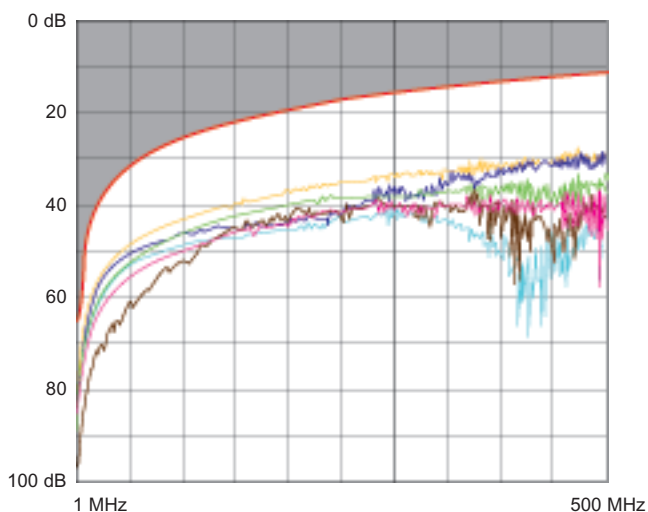


ACR-N (Attenuation to Crosstalk Ratio)

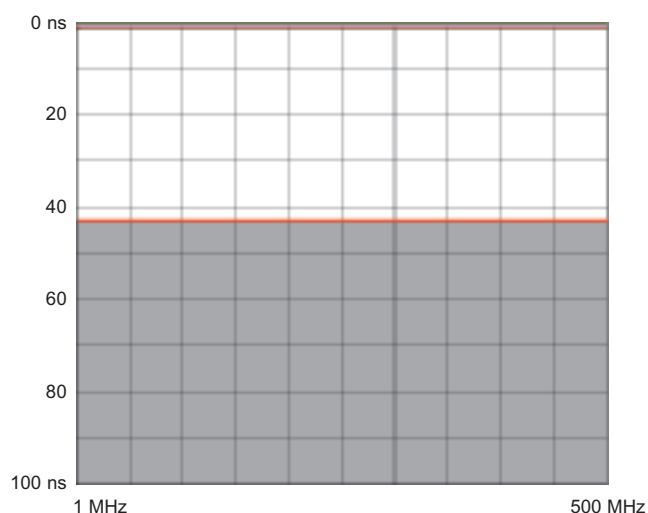


9. PERFORMANCE (cont.)

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

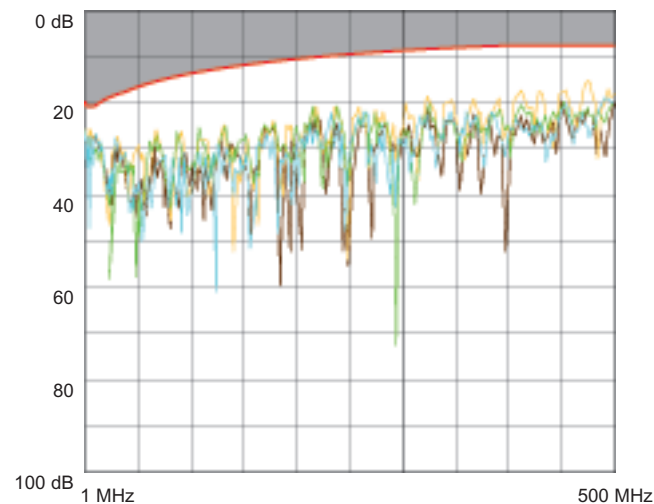


Delay skew



9.3 Performances canal (Channel)

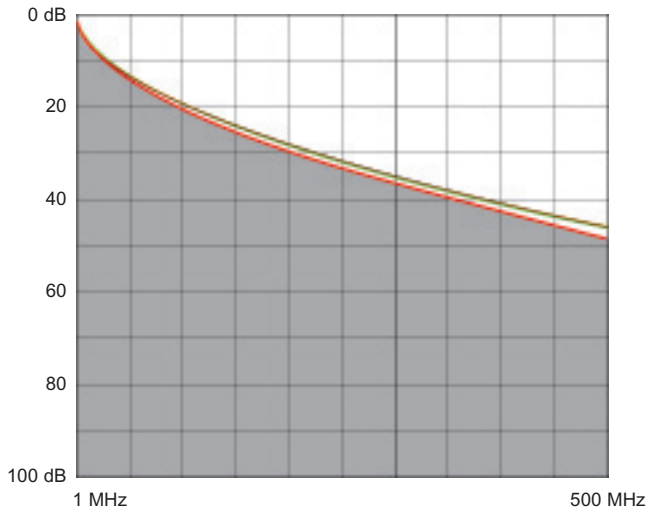
Return loss



9. PERFORMANCE (cont.)

9.3 Channel performance (cont.)

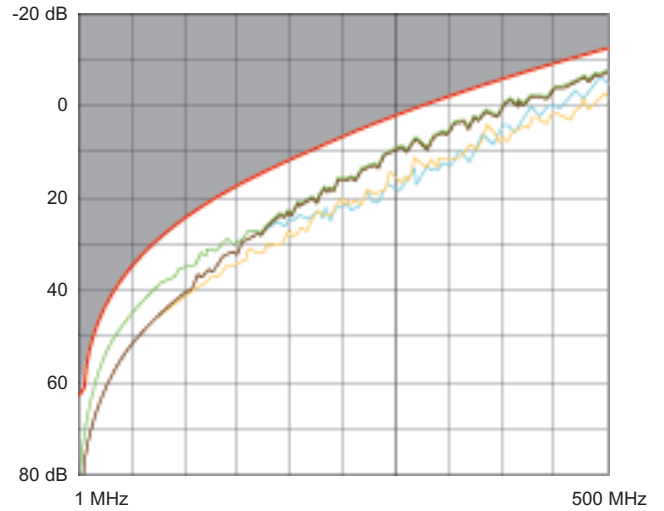
Attenuation



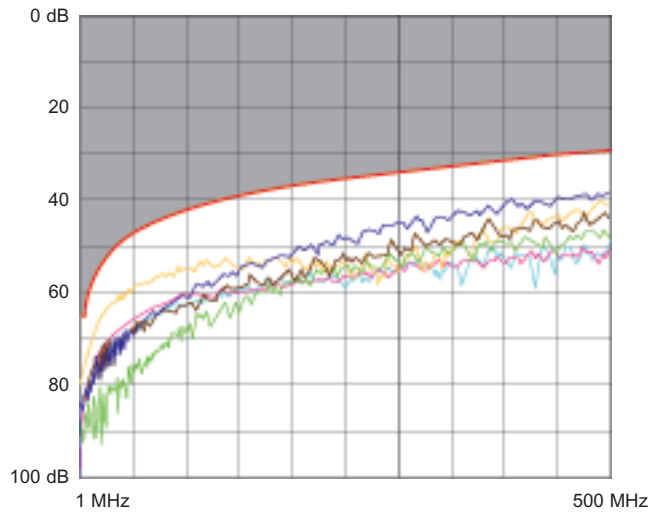
9. PERFORMANCE (cont.)

9.3 Performances canal (Channel) (cont.)

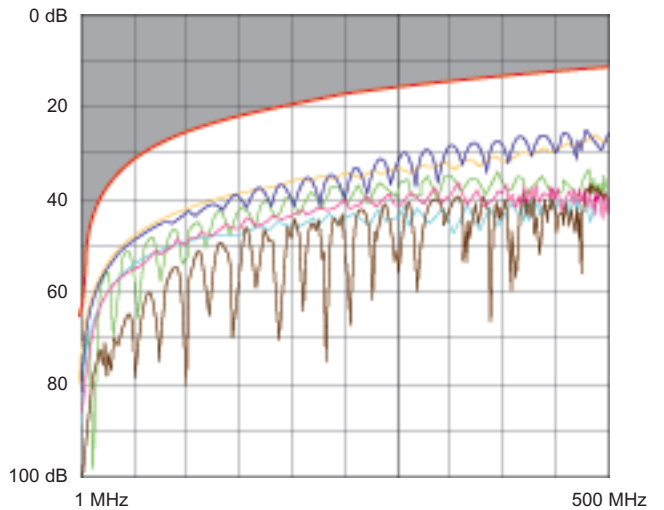
ACR-N (Attenuation to Crosstalk Ratio)



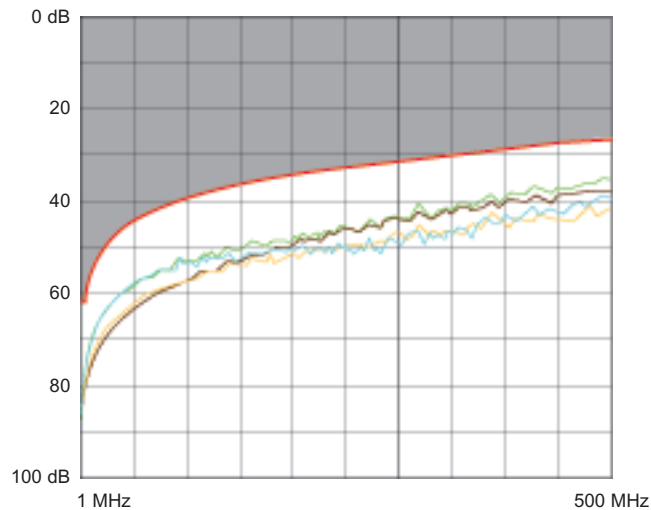
NEXT (Near end Crosstalk Attenuation)



ACR-F (Equal Level End Crosstalk Attenuation)



PS NEXT (Power Sum NEXT)



Delay skew

