

LANmark-6 S-FTP

4 pair and 2x4 pair Data Cables

Application

LANmark-6 S-FTP is the ultimate solution for a future proof network. It is specifically designed to support the exacting requirements for tomorrow's protocols, yet is fully backwards compatible with today's needs. It is the recommended cable for all forthcoming installations.

- 10baseT Ethernet
- 100baseTX Fast Ethernet
- 1000baseTX Gigabit Ethernet
- 155 MBit ATM
- 622 MBit ATM
- 1.2 Gbit ATM
- Future class E applications

LANmark-6 cable is independently verified to exceed the requirements of the ISO/IEC 11801 Cat6 proposals.

Performance

LANmark-6 S-FTP offers substantial headroom over other S-FTP cables. Typical worst ACR figures are shown for comparison. Actual data are detailed overleaf.

Guarantees

Nexans simple to understand commitment provides a 20 year guarantee that LANmark is category 6 and covers both parts & labour:

- Category 6
- Parts & Labour
- 20 years

Installation

LANmark-6 is installed in exactly the same way as Category 5 cables:

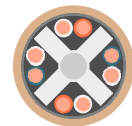
- C³ central cross member (1) reduces risk of crushing or kinking
- C³ member can be cut off or left in place at punchdown

Minimum Bend Radius :

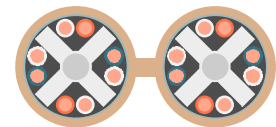
operation	31 mm
installation	62 mm

Max. Installation tension :

S-FTP 4 pair	90 N
S-FTP Shotgun 2x4 pair	180 N

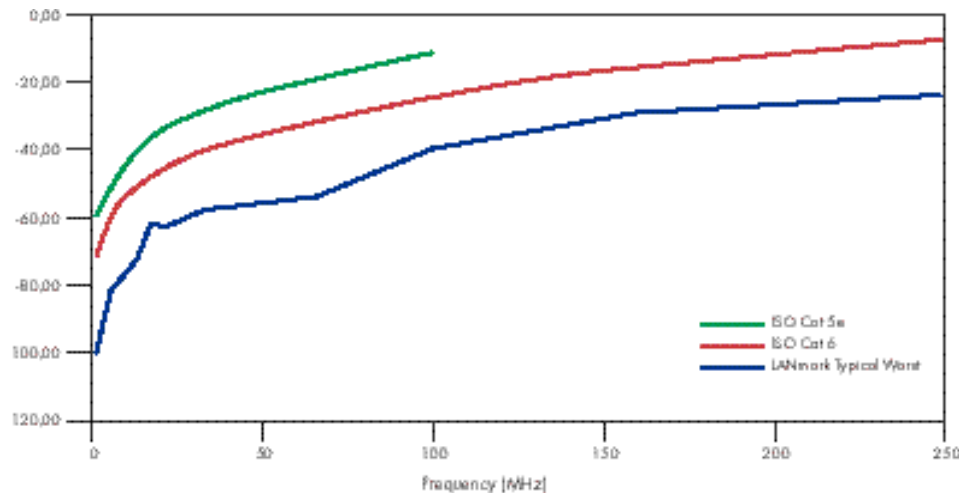


S-FTP 4 pair



S-FTP 2x4 pair Shotgun

ACR Comparison



S-FTP 4 pair and 2x4 pair Shotgun Data Cables

Edition 06.11.2000
Copyright © Nexans 2000

Electrical Performance

Frequency MHz	Attenuation dB/100 m	NEXT pr/pr dB	ACR dB/100 m	P.Sum NEXT dB	EL-FEXT pr/pr dB/100 m	PSEL-FEXT dB/100 m	RL dB
1	2.0	74.3	72.3	72.3	75.3	72.3	23
4	3.8	65.3	61.5	63.3	63.3	60.3	23
10	6.0	59.3	53.4	57.3	55.3	52.3	25
16	7.6	56.3	48.7	54.3	51.2	48.2	25
20	8.5	54.8	46.3	52.8	49.3	46.3	25
31.25	10.6	51.9	41.2	49.9	45.4	42.4	25
62.5	15.3	47.4	32.1	45.4	39.4	36.4	23
100	19.6	44.3	24.7	42.3	35.3	32.3	23
155	24.8	41.5	16.6	39.5	31.5	28.5	21.1
200	28.6	39.8	11.2	37.8	29.3	26.3	20
250	32.3	38.3	6.1	36.3	27.3	24.3	19
300	35.7	37.2	1.4	35.2	25.8	22.8	18.2
350	39.0	36.2	-	34.2	24.4	21.4	17.6

All data subject to change without prior notice.

For installation, please refer to the installation guidelines.

Other characteristics

Mutual Capacity (nF/km)	56
DC resistance (Ohm/km)	80
Skew (ns/100m)	30
Velocity of propagation (%)	68
Propagation delay (ns/100m)	<536
Characteristic impedance (Ohm)	100 ± 15
Coupling attenuation at 30 MHz (dB)	80
Transfer impedance (mOhm/m)	20

Physical characteristics

	S-FTP	S-FTPshotgun
Conductor diameter(mm)	0.52	0.52
Insulation diameter (mm)	1.04	1.04
Cable diameter (mm)	6.40	6.40 x 16,2
Nominal cable weight (kg/km)	50	124

Environmental characteristics

	S-FTP	S-FTPshotgun
Temperature rating (installation)	-10°C/+50°C	-10°C/+50°C
Temperature rating (operation)	-10°C/+40°C	-10°C/+40°C
Flame retardant (IEC332/1)	Yes	Yes
Fire load (MJ/km) PVC/LSZH	690	1380

Part Numbers

Cable type	No of pairs	PART No	Sheath	Colour	Packing
S-FTP	4pr	399 3111 6BG or 100.636	PVC	Grey	1000 m reel
		399 3611 6BO or 100.631	LSZH	Orange	1000 m reel
S-FTP Shotgun	2 x 4 pr	399 3112 5BG or 100.639	PVC	Grey	500 m reel
		399 3612 5BO or 100.633	LSZH	Orange	500 m reel

Paris

72, Avenue de la Liberté
92723 Nanterre CEDEX
France
Tel +33 (0)1 55 51 59 52
Fax +33 (0)1 55 51 52 80

Brussels

Alsembergsesteenweg 2, b3
1501 Buizingen
Belgium
Tel +32 (0)2 363 38 00
Fax +32 (0)2 365 09 99

London

Felixstowe Road, Abbey Wood
London SE2 9AA
United Kingdom
Tel +44 (0) 208 557 3456
Fax +44 (0) 208 557 3535

www.nexans.com

