LANmark-7 Cable

- Exceeds Category 7 using 4 individually screened pairs
- Optimised for use with LANmark-7A GG45 connector
- Small outer diameter
- Easy to install due to a tight foil construction



STANDARDS

EN 50173
EN 50288-4-1
IEEE 802.3bt (PoE++)
ISO/IEC 11801
ISO/IEC 61156-5

Description

LANmark-7 cable has an S/FTP construction with individual pair foils and an overall braid offering superior performance in terms of ACR. It is fully compliant with the Category 7 standards and when installed together with the GG45 LANmark-7A connector, the system is guaranteed to exceed all channel requirements in all configuration scenarios (up to 4-connector channels).

Application

LANmark-7 will support all current and planned data applications developed for cabling up to Class F.

- All Ethernet applications including
- 1000Base-T
- 1000Base-TX
- 10GBase-T
- CATV up to 862MHz
- Any future Class F application

Installation

Ease of Installation is one of the unique features of LANmark-7 cable. Extra attention has been paid to ensure screen coverage is maintained both during and after installation. The cable has been designed specifically to offer both optimum performance and ease of termination when used in conjunction with the LANmark-7A GG45 connector.

To support the correct set-up of hand held analysers for installation testing, the actual cable NVP value is given in the cable's print legend.

Electrical Performance LANmark-7 Cable

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Frequency (MHz)	Attenuation (dB/100m)		NEXT (in dB)		ACR (in dB)		PS-NEXT (in dB)		ACR-F (in dB)		PS-ACR-F (in dB)		Return Loss (in dB)	
	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.
1,00	4,0	1,8	75,0	100,0	71,0	98,2	72,0	98,0	75,0	98,0	75,0	96,0	20,0	
4,00	4,0	3,5	75,0	100,0	71,0	96,5	72,0	98,0	75,0	98,0	75,0	96,0	23,0	26,0
10,00	5,9	5,5	75,0	100,0	69,1	94,5	72,0	98,0	75,0	98,0	72,3	96,0	25,0	28,0
16,00	7,4	6,8	75,0	100,0	67,6	93,2	72,0	98,0	71,2	96,0	68,2	94,0	25,0	28,0
20,00	8,3	7,7	75,0	100,0	66,7	92,3	72,0	98,0	69,3	94,0	66,3	92,0	25,0	28,0
31,25	10,4	9,6	75,0	100,0	64,6	90,4	72,0	98,0	65,4	90,0	62,4	88,0	23,6	26,0
62,50	14,9	14,0	75,0	100,0	60,1	86,0	72,0	98,0	59,4	84,0	56,4	82,0	21,5	25,0
100,00	19,0	17,7	72,4	100,0	53,4	82,3	69,4	98,0	55,3	75,0	52,3	73,0	20,1	24,0
155,00	24,0	22,8	69,5	96,0	45,6	73,2	66,5	93,0	51,5	70,0	48,5	68,0	18,8	23,0
250,00	31,0	29,0	66,4	94,0	35,5	65,0	63,4	91,0	47,3	66,0	44,3	64,0	17,3	22,0
300,00	34,2	32,1	65,2	92,0	31,1	59,9	62,2	88,0	45,8	54,0	42,8	52,0	17,3	20,0
600,00	50,1	45,5	60,7	90,0	10,6	44,5	57,7	86,0	39,7	54,0	36,7	52,0	17,3	20,0

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LANmark-7 Cable

CHARACTERISTICS

Construction characteristics

Type of cable	S/FTP

Usage characteristics

Category	Cat. 7

Resources

Documentation

Freetable LM7 600_3.xls xls — 19 KB Download

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Product list

	Aginode ref.	Country ref.	Name	Type of cable	Category
	N100.365-OD	-	LANmark-7 S/FTP AWG23 Cat 7 LSZH Dca s2 d1 a1 Orange 1000m reel	S/FTP	Cat. 7
	N100.366-OD	-	LANmark-7 S/FTP AWG23 Cat 7 LSZH Dca s2 d1 a1 Orange 500m reel	S/FTP	Cat. 7
	N100.367-OD	-	LANmark-7 S/FTP Dual AWG23 Cat 7 LSZH Dca s2 d1 a1 Orange 500m reel	S/FTP Shotgun	Cat. 7
	N100.365-OC	-	LANmark-7 S/FTP AWG23 Cat 7 LSZH Cca s1a d1 a1 Orange 1000m reel	S/FTP	Cat. 7
	N100.365-OB	-	LANmark-7 S/FTP AWG23 Cat 7 LSZH B2ca s1a d1 a1 Orange 1000m reel	S/FTP	Cat. 7
	N100.367-OC	-	LANmark-7 S/FTP Dual AWG23 Cat 7 LSZH Cca s1a d1 a1 Orange 500m reel	S/FTP Shotgun	Cat. 7

= Make to order, = In Stock

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