



Shopping basket Passive IT IS Components

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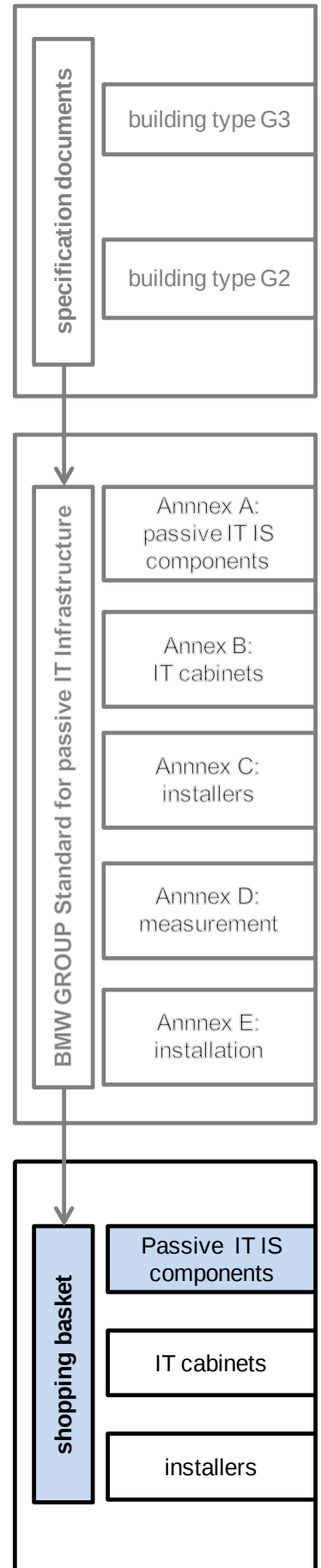
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1 Preliminary Remarks

The **approved passive IT IS components** are checked at regular intervals for compliance with the specifications defined as part of the GHMT PREMIUM Verification Program; please refer to the „B2B portal of BMW Group“, „BMW Group IT intranet“ and the shopping basket „**Passive IT IS components**“ for a list.

To this end, specific requirements were defined for the passive IT IS components of

- balanced copper cabling
 - o data cables
 - o connectivity
 - o work area and patch cords (patch cables)
 - o pre-assembled trunk
- and
- fibre-optic cabling
 - o fibre optic cables
 - o fibre optic connector
 - o fibre optic work area and patch cords (patch cables)
 - o pre-assembled trunk
 - o splice box and distribution box

These requirements include normative and additional specifications laid down by the BMW Group. **The specific requirements are listed in „Annex A: Requirements passive IT IS components“ from the „BMW Group Standard for passive IT Infrastructure“.**

If an IT IS component is prohibited for use during project implementation, approved back-up products (as described above) are to be used in consultation with the BMW Group Data-Centers (Rechenzentren).

If special solutions that deviate from the specifications laid down in the BMW Group cabling standard need to be installed, this must be coordinated in advance with the BMW Group Data-Centers (Rechenzentren).

2 Passive IT IS components - Overview

For the passive IT infrastructure to meet the requisite stringent quality standard, only cabling components and systems may be installed that are approved by the **BMW Group Data-Centers (Rechenzentren)** at the time of planning or implementation.

The **approved passive IT IS components of LEONI KERPEN GmbH** which are currently released, are listed in the here described shopping basket on their application.

Application areas	Passive IT infrastructure		
	Campus backbone cabling	Building backbone cabling	Horizontal cabling
Office environment	Chapter 3	Chapter 3	Chapter 5
Data-Center	Chapter 3	Chapter 3	Chapter 4, 5

Table 1: Application areas for the various passive IT IS components

3 Passive IT IS components - Singlemode

In the following you can find the listed "Passive IT IS components" of LEONI KERPEN GmbH, which are approved by the BMW Group:

Chapter acc. BMW Standard Annex A	Components	Variation / Length	Part-no.	Description
"2.1.1"	FO SM outdoor cables	2 x 12 Fibres	LKD8AC30T060000	GigaLine KL-A-DQ(ZN)B2Y
		4 x 12 Fibres	LKD8AC30T080000	
"2.1.2"	FO SM universal cables	1 x 12 Fibres	LKD8UC300T60000	GigaLine KL-U-DQ(ZN)BH
		1 x 24 Fibres	LKD8UC300T90000	
		2 x 12 Fibres	LKD8UC30T060000	GigaLine KL-U-DQ(ZN)BH
		4 x 12 Fibres	LKD8UC30T080000	
"2.4.1"	FO SM patch cord (LSH/APC - LSH/APC)	xxx,x m	LKD9AP097QQxxx*	GigaLine Patch OS2 LSH/APC - LSH/APC
		0,5 m	LKD9AP097QQ0005	
		1,0 m	LKD9AP097QQ0010	
		1,5 m	LKD9AP097QQ0015	
		2,0 m	LKD9AP097QQ0020	
		3,0 m	LKD9AP097QQ0030	
		4,0 m	LKD9AP097QQ0040	
		5,0 m	LKD9AP097QQ0050	
		7,5 m	LKD9AP097QQ0075	
		10,0 m	LKD9AP097QQ0100	
		15,0 m	LKD9AP097QQ0150	
		20,0 m	LKD9AP097QQ0200	
"2.4.2"	FO SM trunk cables (LSH/APC - LSH/APC)	12 Fibres	LKD9Vxxx73C0000**	GigaLine Trunk 12 bzw. 24 OS2 LSH/APC LSH/APC
		24 Fibres	LKD9Vxxx73D0000**	
"2.5"	FO SM splice box	1 U	LKD9D3104060000	GigaLine splice box 24 bzw. 48 OS2 LSH/APC
		2 U	LKD9D3104070000	
"2.6"	FO SM distribution box	1 U	LKD9D3203260000	GigaLine distribution box 24 bzw. 48 OS2 LSH/APC
		2 U	LKD9D3203270000	

*xxx = length in dm

** xxx = length in m

Example: 7,5 m:
LKD9AP097QQ0075

Example: 123 m:
LKD9V12373C0000

4 Passive IT IS components - Multimode

In the following you can find the listed "Passive IT IS components" of LEONI KERPEN GmbH, which are approved by the BMW Group:

Chapter acc. BMW Standard Annex A	Components	Variation / Length	Part-no.	Description
"3.1.1"	FO MM universal cables	1 x 12 Fibres	LKD8UA700T60000	GigaLine KL-U-DQ(ZN)BH
		1 x 24 Fibres	LKD8UA700T90000	
		2 x 12 Fasern	LKD8UA70T060000	GigaLine KL-U-DQ(ZN)BH
		4 x 12 Fibres	LKD8UA70T080000	
"3.4.1"	LWL MM patch cord (LC/PC - LC/PC)	xxx,x m	LKD9AP09788xxxx*	GigaLine Patch OM4 LC - LC
		0,5 m	LKD9AP097880005	
		1,0 m	LKD9AP097880010	
		1,5 m	LKD9AP097880015	
		2,0 m	LKD9AP097880020	
		3,0 m	LKD9AP097880030	
		4,0 m	LKD9AP097880040	
		5,0 m	LKD9AP097880050	
		7,5 m	LKD9AP097880075	
		10,0 m	LKD9AP097880100	
		15,0 m	LKD9AP097880150	
		20,0 m	LKD9AP097880200	
"3.4.2"	FO MM trunk cables (LC/PC - LC/PC)	12 Fibres	LKD9Vxxx65B0000**	GigaLine Trunk 12 OM4 LC - LC
		24 Fibres	LKD9Vxxx6680000**	GigaLine Trunk 24 OM4 LC - LC
		48 Fibres	LKD9Vxxx6690000**	GigaLine Trunk 48 OM4 LC - LC
"3.5"	FO MM distribution box	1 U	LKD9D3203240000	GigaLine distribution box 24 bzw. 48 OM4 LC
		2 HE	LKD9D3203250000	

*xxxx = length in dm

Example: 7,5 m:
LKD9AP097QQ0075

** xxx = length in m

Example: 123 m:
LKD9V1236680000

5 Passive IT IS components - Copper

In the following you can find the listed "Passive IT IS components" of LEONI KERPEN GmbH, which are approved by the BMW Group:

Chapter acc. BMW Standard Annex A	Components	Variation / Length	Part-no.	Description
"4.1"	Balanced cable Cat.7	simplex	LK97KS700100100	MegaLine F6 90 S/FTP, 1000 MHz 4x2x AWG 23/1
		duplex	LK97KS700110050	
"4.2"	RJ45 module Cat.6A	1 piece	LKD9ZQ010000000	Megaline Connect MC 45 PRO
	RJ45 patch panel	1 U	LKD9A5012000000	MegaLine Connect45 Panel Keystone 24Port RAL7035
"4.3.1"	RJ45 patch cord Cat. 6A	0,5 m	LKD9AA23020B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 0,5
		1,0 m	LKD9AA23021B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 1,0
		1,5 m	LKD9AA23022B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 1,5
		2,0 m	LKD9AA23023B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 2,0
		3,0 m	LKD9AA23025B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 3,0
		4,0 m	LKD9AA23026B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 4,0
		5,0 m	LKD9AA23027B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 5,0
		7,5 m	LKD9AA23028B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 7,5
		10,0 m	LKD9AA23029B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 10,0
		15,0 m	LKD9AA23097B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 15,0
		20,0 m	LKD9AA23098B000	MegaLine-Patch 6AEA-RJ45SL GR-GR/GR 20,0
"4.3.2.1"	RJ45 solid conductor trunk (jack-jack)	2x solid wire	LKD9AH29233Bxxx	CUT2 MC45PRO-MC45PRO F6-90 DX H2x4P xxx
		6x solid wire	LKD9AN36233Bxxx	CUT2 MC45PRO-MC45PRO F6-90 H6x4P xxx
"4.3.2.2"	RJ45 patch trunk (connector- connector)	2x flex wire	LKD9AP69111Bxxx	CUT2 RJ45SL-RJ45SL F6-90 DX H2x4P flex xxx
		8x flex wire	LKD9AM18111Bxxx	CUT2 RJ45SL-RJ45SL F6-90 H8x4P flex xxx

* xxx = xx,x Meter

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6 Contact



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