



Shopping basket Passive IT IS Components

Reichle & De-Massari GmbH

Authors: **BMW Group**
Data-Centers
 Bremer Str. 6
 80788 Munich, Germany
 Telephone: +49-89-382-0

GHMT AG
 In der Kolling 13
 66450 Bexbach, Germany

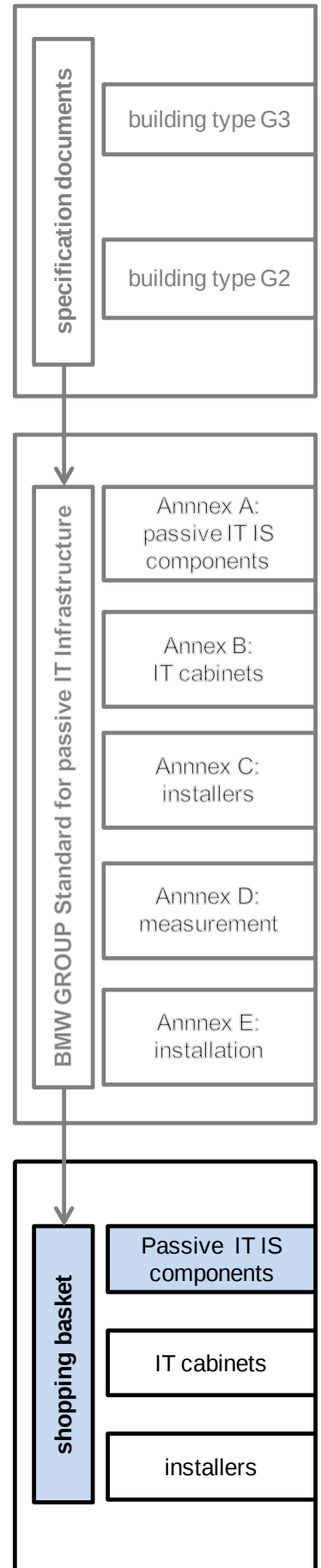
Status: 01. August 2017

Version: 1.0

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BMW Group	Document class: Specification document	---
	Range of validity: BMW Group	Version: 1.0
	Shopping basket Passive IT IS components Reichle & De-Massari GmbH	Status: Released, by 01.08.2017
	Coordinated with (person, dept, circle):	BMW Group

Change history				
Version	Content of changes	Written by Dept Code Date	Reviewed by Dept Code Date	Released by Dept Code Date
1.0	Initial version	B. Schmid FG-844 28.07.2017	B. Fischer FG-844 31.07.2017	R. Hillmeier FG-844 01.08.2017



Table of contents

1 Preliminary Remarks	4
2 Passive IT IS components - Overview	5
3 Passive IT IS components - Singlemode	6
4 Passive IT IS components - Multimode	7
5 Passive IT IS components - Copper	8
6 Contact	9



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 Reichle & De-Massari 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 Reichle & De-Massari 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	1 x 12 Fibres	R835016	LT-cable-outdoor-1x12-os2
		1 x 24 Fibres	R840208	LT-cable-outdoor-1x24-os2
"2.1.2"	FO SM universal cables	1 x 12 Fibres	R840205	LT-cable-indoor-1x12-os2
		1 x 24 Fibres	R840212	LT-cable-indoor-1x24-os2
"2.4.1"	FO SM patch cord (LSH/APC - LSH/APC)	0,5 m	R841342	Patch cord FO OS2 LSHRJ/LSHRJ 0,5m
		1,0 m	R303357	Patch cord FO OS2 LSHRJ/LSHRJ 1m
		1,5 m	805163	Patch cord FO OS2 LSHRJ/LSHRJ 1,5m
		2,0 m	R303358	Patch cord FO OS2 LSHRJ/LSHRJ 2m
		3,0 m	R303359	Patch cord FO OS2 LSHRJ/LSHRJ 3m
		4,0 m	R805863	Patch cord FO OS2 LSHRJ/LSHRJ 4m
		5,0 m	R303361	Patch cord FO OS2 LSHRJ/LSHRJ 5m
		7,5 m	R804803	Patch cord FO OS2 LSHRJ/LSHRJ 7,5m
		10,0 m	R304551	Patch cord FO OS2 LSHRJ/LSHRJ 10m
		15,0 m	R803251	Patch cord FO OS2 LSHRJ/LSHRJ 15m
		20,0 m	R803253	Patch cord FO OS2 LSHRJ/LSHRJ 20m
"2.4.2"	FO SM trunk cables (LSH/APC - LSH/APC)	12 Fibres	VL-AY12S2Y0- ET8BGM1H- ET8BGM1H-xxx0N	trunk cable VL AY 12S 2Y
		24 Fibres	VL-AY24S2Y0- ET8BGM1H- ET8BGM1H-xxx0N	trunk cable VL AY 24S 2Y
"2.5"	FO SM splice box	1 U	R834996	1U-Unirack-24-lshzpc8c- os2-dinvde-TF
		2 U	R840625	2U-Unirack-48-lshzpc8c- os2-dinvde-TF
"2.6"	FO SM distribution box	1 U	R840626	1U-Fibereasyrack-24- lshapc8
		2 U	R840627	2U-Fibereasyrack-48- lshapc8

4 Passive IT IS components - Multimode

In the following you can find the listed "Passive IT IS components" of Reichle & De-Massari 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	R840204	LT-cable-indoor-1x12-om4
		1 x 24 Fibres	R840211	LT-cable-indoor-1x24-om4
"3.4.1"	FO MM patch cord (LC/PC - LC/PC)	0,5 m	R829839	Patch cord FO OM4 LCD/LCD 0,5m
		1,0 m	R826514	Patch cord FO OM4 LCD/LCD 1m
		1,5 m	R831272	Patch cord FO OM4 LCD/LCD 1,5m
		2,0 m	R826515	Patch cord FO OM4 LCD/LCD 2m
		3,0 m	R826516	Patch cord FO OM4 LCD/LCD 3m
		4,0 m	R828784	Patch cord FO OM4 LCD/LCD 4m
		5,0 m	R826517	Patch cord FO OM4 LCD/LCD 5m
		7,5 m	R833058	Patch cord FO OM4 LCD/LCD 7,55m
		10,0 m	R826789	Patch cord FO OM4 LCD/LCD 10m
		15,0 m	R826795	Patch cord FO OM4 LCD/LCD 15m
		20,0 m	R826800	Patch cord FO OM4 LCD/LCD 20m
"3.4.2"	FO MM trunk cables (LC/PC - LC/PC)	12 Fibres	VL-AM12M4M0- LC0AHM1H- LC0AHM1H-xxx0N	trunk cable VL AM 12M 4M
		24 Fibres	VL-AM24M4M0- LC0AHM1H- LC0AHM1H-xxx0N	trunk cable VL AM 24M 4M
		48 Fibres	VL-AM48M4M0- LC0AHM1H- LC0AHM1H-xxx0N	trunk cable VL AM 48M 4M
"3.5"	FO MM distribution box	1 U	R834998	1U-Fibereasyrack-24-lc- duplex
		2 U	R840628	2U-Fibereasyrack-48-lc- duplex

5 Passive IT IS components - Copper

In the following you can find the listed "Passive IT IS components" of Reichle & De-Massari 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	R309092	Inst C7-S/FTP-4P-3 AWG23-1000MHz-gu
		duplex	R35061	Inst C7-S/FTP-2x4P-3 AWG23-1000MHz-gu
"4.2"	RJ45 module Cat.6 _A	1 piece	R813512	module RJ45/s-C6A EL-ks-10
	RJ45 patch panel	1 U	R835001	patch panel RJ45-C6A
"4.3.1"	RJ45 patch cord Cat. 6 _A	0,5 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-0.5B	Patch Cord CU PA C6A S GY 0.5m
		1,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-1B	Patch Cord CU PA C6A S GY 1m
		1,5 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-1.5B	Patch Cord CU PA C6A S GY 1.5m
		2,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-2B	Patch Cord CU PA C6A S GY 2m
		3,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-3B	Patch Cord CU PA C6A S GY 3m
		4,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-4B	Patch Cord CU PA C6A S GY 4m
		5,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-5B	Patch Cord CU PA C6A S GY 5m
		7,5 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-7.5B	Patch Cord CU PA C6A S GY 7,5m
		10,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-10B	Patch Cord CU PA C6A S GY 10m
		15,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-15B	Patch Cord CU PA C6A S GY 15m
		20,0 m	PA-C6AS-GY1A-P45W6AS- P45W6AS-20B	Patch Cord CU PA C6A S GY 20m
"4.3.2.1"	RJ45 solid conductor trunk (jack-jack)	2x solid wire	PL1S3H-GY3A-M4SK0.5S0- M4SS0.5S0-xxxN	trunk cable CU PL 1S 3H GY
		6x solid wire	PL1S2D-GY2A-M4SK0.5S0- M4SS0.5S0-xxxN	trunk cable CU PL 1S 2D GY
"4.3.2.2"	RJ45 patch trunk (connector- connector)	2x flex wire	PAB2-C6AS-GY1A- P45W6AS-P45W6AS-xxxN	patch cord CU PAB2 C6 AS GY
		8x flex wire	PAB8-C6AS-GY1A- P45W6AS-P45W6AS-xxxN	patch cord CU PAB8 C6 AS GY



6 Contact



Reichle & De-Massari GmbH

Hindenburgstraße 21
51643 Gummersbach, Germany
T +49 2261 501700
F +49 2261 7895188

Managing Director Germany & Austria

Gabriel Bogdan

Hindenburgstraße 21
51643 Gummersbach, Germany
T +49 2261 5017027
M +49 170 965 8779
F +49 2261 5017033
e-mail
gabriel.bogdan@rdm.com

Europe:



Germany & Austria: Reichle & De-Massari GmbH Gabriel Bogdan

Hindenburgstraße 21

51643 Gummersbach, Germany
T +49 2261 5017027
M +49 170 965 8779
F +49 2261 5017033
e-mail
gabriel.bogdan@rdm.com

Switzerland:

Reichle & De-Massari AG Reto Rudolf

Buchgrindelstrasse 13
8620 Wetzikon, Switzerland
T +41 44 9772105
M +41 794361158
F +41 44 9772106
e-mail
reto.rudolf@rdm.com



-
- Italy: **Reichle & De-Massari Italia S.r.l.**
Emanuele Colombo
via Saronnino,103
21040 Origgio, Italy
T +39 02 96952180
M +39 335 5683795
F +39 2 96952110
e-mail
emanuele.colombo@rdm.com
- IBERIA: **Reichle & De-Massari Iberia S.L.U.**
Manuel Blasco
C/Pollensa2, Edificio Artemisa
1a Plante, Oficina 13

28230 Las Rozas de Madrid, Spain
T +34 91 640 09 30
F +34 611 37 08 97
e-mail
Manuel.Blasco@rdm.com
- Poland,
Russia: **Reichle & De-Massari Polska Sp. z o.o.**
Andrzej Zagolski
Farbiarska 49
02-862, Poland
T +48 22 644 47 37
M +48 22 643 2554
F +48 601277277
e-mail
andrzej.zagolski@rdm.com
- France: **Reichle & De-Massari France**
Hervé Bouteloup
Le Saturne Parc Ariane - Rue Hélène Boucher
F - 78280 Guyancourt, France
T +33 1 39 30 59 91
M +33 680159590
e-mail
herve.bouteloup@rdm.com



United
Kingdom
&
Ireland:

Reichle & De-Massari UK Ltd
Oli Barrington

450 Brook Drive Green Park
RG2 6UU, Reading; United Kingdom
T +44 203 008 5331
M +44 7713839647
F +44 207 868 1800
e-mail
oli.barrington@rdm.com

Bulgaria,
Romania,
Serbia,
Kroatia:

R&M Bulgaria EOOD
Alexander Petrov

Hadji Dimitar Distr. 1E Rezbarska Str
1510 Sofia, Bulgaria
T +359 2902 16 66
M +359 89 982 89 75
e-mail
Alexander.Petrov@rdm.com



North-, South-, Middle AMERICA: North Americas:



R&M USA

Inc.

Paul Matuszak

840 Yosemite Way

95035 Milpitas, United States

T +1 408 945 6626

M +1 5184289800

e-mail

paul.matuszak@rdm.com

Central Americas:

Reichle & De-Massari Brasil

Paulo Campos

Rua George Ohm, 206 -

Torre B, 10º andar - cj 101B

04576-020 São Paulo, Brazil

T +55 11 99178 5251

M +5511991785251

e-mail

paulo.campos@rdm.com

South Americas:

Reichle & De-Massari Brasil

Peter Fischer

Rua George Ohm, 206 -

Torre B, 10º andar - cj 101B

04576-020 São Paulo, Brazil

T +55 11 2450 7454

M +55 11991123248

e-mail

peter.fischer@rdm.com



Asia-Australia:



Singapore,
Rest of APAC:

R&M Singapore

Siak Goh

20 Toh Guan Road #04-00 CJ GLS Building
608839 Singapore, Singapore

T +65 6506 5606

M +65 91450711

e-mail
sk.goh@rdm.com



China:

R&M China

Sam Ho

Unit 501, No. 538 West Jiangchang Road
200436 Shanghai, China

T +86 2136321933

M +86 13916114938

F +86 21 3632 1911

e-mail
sam.ho@rdm.com

India:

R&M India

Rajesh Rajan

#90/4, JP Royale Outer Ring Road Maratahalli
560037 Bangalore, India

T +91 8040792600

M +91 99 870 28 317

F +91 8040792604

e-mail
rajesh.rajan@rdm.com

Australia:

R&M Australia

Emmanuel Beydon

Level 13, Macquarie House 167 Macquarie
Street
2000 Sydney, NSW, Australia

T +61 290436303

M +61 61409674738

F +6565669925

e-mail
emmanuel.beydon@rdm.com

e-mail
alfred.tharwat@rdm.com