

CT – FlexiHopper, FlexiHopper Plus, Flexbus

New installation material for Flexbus cable

**Technical Note
No.87**

The information in this document is subject to change without notice and describes only the product defined in the introduction of this documentation. This document is intended for the use of Nokia Networks' customers only for the purposes of the agreement under which the document is submitted, and no part of it may be reproduced or transmitted in any form or means without the prior written permission of Nokia Networks. The document has been prepared to be used by professional and properly trained personnel, and the customer assumes full responsibility when using it. Nokia Networks welcomes customer comments as part of the process of continuous development and improvement of the documentation.

The information or statements given in this document concerning the suitability, capacity, or performance of the mentioned hardware or software products cannot be considered binding but shall be defined in the agreement made between Nokia Networks and the customer. However, Nokia Networks has made all reasonable efforts to ensure that the instructions contained in the document are adequate and free of material errors and omissions. Nokia Networks will, if necessary, explain issues which may not be covered by the document.

Nokia Networks' liability for any errors in the document is limited to the documentary correction of errors. Nokia Networks WILL NOT BE RESPONSIBLE IN ANY EVENT FOR ERRORS IN THIS DOCUMENT OR FOR ANY DAMAGES, INCIDENTAL OR CONSEQUENTIAL (INCLUDING MONETARY LOSSES), that might arise from the use of this document or the information in it.

This document and the product it describes are considered protected by copyright according to the applicable laws.

NOKIA logo is a registered trademark of Nokia Corporation.

Other product names mentioned in this document may be trademarks of their respective companies, and they are mentioned for identification purposes only.

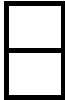
Copyright © Nokia Corporation 2005. All rights reserved.

TN No 87 Version 1.0	Edited by Date: 02.02.2005 Name: TKa	Approved by Date: 03.02.2005 Name: MHe
---	---	---

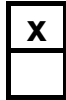
TN 87 NEW INSTALLATION MATERIAL FOR FLEXBUS CABLE

Validity: (Product Specific)

Software



Hardware



Flexbus

Keywords: Flexbus, Cable, FlexiHopper, FlexiHopper Plus

Summary:

This technical note is released to inform changes of Nokia FlexiHopper and Nokia FlexiHopper Plus installation material. In order to minimize the amount of orderable installation material following grounding kit (same kit for both RG-214 and RG-223) is now available for Flexbus cable.

Also new flat -profile type cable clamp is now available.

Description:

Present grounding kits available for Flexbus cables

1. **CS72749.60** Grounding Kit for 1/4 to 3/8in., RG214
(FIMO code 61 1540 9014), is a grounding kit for RG214 cable. (10-11mm)
2. **CS72749.61** Ground.Kit (6mm) RG223-RG58
(FIMO code 61 1540 9006), is a grounding kit for RG223 cable. (5-6mm)

New grounding kit CS72749.69 replaces the present ones after 01.03.2005.

1. **CS72749.69** GROUNDING KIT FOR RG214/223
(FIMO code 61 1502 0001), is a grounding kit for RG214 and RG223 cable. (5-11mm)

NOTE! New grounding kit is available when existing stock is used!

Cable Clamps CT products:

1. CS72745.05 Clamp for RG223 M2x6,rod8-25

(FIMO code 61 1556 0206), is a clamp for RG223 cable, when installed into round or flat 8-25mm thick rails.

2. CS72746.20 Clamp 2X3/8in.RG213&RG214 for L prof.40X40mm

(FIMO code 61 1551 0211), is a clamp for RG214 cable, when installed into L-profile 40-40mm angular rails.

New Cable clamp CS72746.30 added to product portfolio after 01.03.2005

1. CS72746.30 Clamp 2X1/4 in RG214 Flat 3-12mm

(FIMO code 61 1553 0210), is a clamp for RG214 cable when installed into round or flat, 3-12mm thick rails.

NOTE! The present clamps CS72745.05 and CS72746.20 will remain on product portfolio!

Instructions

Technical Note Revision History

DATE	VERSION	EDITOR	SUMMARY OF CHANGES
02.02.2005	1 st version	TKa	

LIST OF ACTIVE TECHNICAL NOTES FOR CT:

No	Title	TN Version	Valid in
21	BQ and TQ connector quality	1.0	LMP cables, Indoor Units FIU 19, RRIC
22	Potential IU-OU connection problem	1.0	FlexiHopper
25	Node Manager server session handling problem	1.0	Hopper Manager
26	Loss of supervision under BSC-polling	1.1	RRIC
28	2xIU / 2x OU HSB	1.2	FIU 19, FlexiHopper
35	Management channel problem	1.0	FIU 19
36	FlexiHopper 38 GHz quality problem	1.0	FlexiHopper 38 GHz
37	Change of the Sales Item Structure of FIU 19	1.0	FIU 19
41	A memory leakage causes unnecessary reset into radio units	1.0	FlexiHopper, MetroHopper, FIU 19, RRIC
42	A protected FIU 19 indicates a wrong alarm status	1.0	FIU 19
43	Discontinued Q1 cable T38122.41	1.0	Q1 Cable, FIU 19, DMR18-38 C
44	Discontinued Q1 coupling connector T38122.50	1.0	Q1 coupling connector, FIU 19, DMR18-38 C
45	Transport release TR5.0	1.0	FlexiHopper, MetroHopper, FIU 19
46	Q1 channel blocked when DMR8-23 is powered off	1.0	DMR8-23
47	FIU 19E for supporting SNMP and IP based DCN	2.0	FIU 19E, FlexiHopper, MetroHopper
49	Nokia approved Flexbus Cables & Connectors	3.0	FlexiHopper, MetroHopper
50	FIU 19RJ	1.0	FlexiHopper, MetroHopper
51	A FIU 19E Hardware modification	1.0	FIU 19E A1 HW version
53	MetroHopper alarm Fault in Installation	1.0	MetroHopper
54	An Update on FlexiHopper SW Releases (E1)	1.0	FlexiHopper
55	Use of Fault Code 168 with FIU 19E Release C1.5	1.0	FIU 19E
56	Typographical Error In MetroHopper Stickers	1.0	MetroHopper
57	Remote SW Activation for Cellular Transmission Network Elements	1.0	FlexiHopper, MetroHopper, FIU 19
58	Transmission Loader C1.0	1.0	Transmission Loader
59	Removed Station Type Setting	1.0	Hopper Manager
60	Changes in FlexiHopper OU Performance Management alarm threshold setting window	1.0	Hopper Manager, FlexiHopper
61	An Update on MetroHopper releases (C3.0)	1.0	MetroHopper
62	Application Note: Protection Methods in Nokia FlexiHopper and FlexiHopper Plus Microwave Radios	2.0	FlexiHopper, FIU 19(E), FXC RRI
63	An Update on HopperManager Releases (C4.5)	1.0	Hopper Manager
64	Using USB to Serial Port Converters with Hopper Manager and AXC-FB Hopper Manager	1.0	Hopper Manager
65	New improved system values introduced to Nokia FlexiHopper	1.0	FlexiHopper
66	Update on DMR Manager	1.0	DMR Manager
67	EOW/Service Telephone	1.0	FIU 19, FlexiHopper
68	Incoming signal level incorrent (FC59)	1.0	MetroHopper, FlexiHopper
69	Scrambling code setting in HopperManager C4.5	1.0	HopperManager
70	Commissioning FlexiHopper with RRIC	1.0	FlexiHopper, FlexiHopper Plus
71	FIU 19E C2.0	1.0	FIU 19E
72	Corrosion on Alignment Unit	1.0	FlexiHopper
73	An update on MetroHopper Releases C3.1	1.0	MetroHopper
74	Restoring of FlexiHopper Plus Radio Backup	1.0	FlexiHopper Plus
75	Application Note: Dual Polarisation Usage on FlexiHopper and FlexiHopper Plus Microwave Radio Links	1.0	FlexiHopper, FlexiHopper Plus
76	Excessive error rate alarm threshold change in FlexiHopper	1.0	FlexiHopper
77	FlexiHopper Antenna Specifications Changes	1.0	FlexiHopper
78	New PowerHopper hardware version	1.0	PowerHopper
79	ALCQ and Fading Margin Measurement in Nokia FlexiHopper and FlexiHopper Plus Microwave Radios	1.0	FlexiHopper, FlexiHopper Plus
80	ALCQ and Fading Margin Measurement in Nokia FlexiHopper and FlexiHopper Plus Microwave Radios	1.0	FlexiHopper Plus
81	Removal of Excessive error rate alarm (FC 96) in Nokia FlexiHopper and FlexiHopper Plus	1.0	FlexiHopper, FlexiHopper Plus
83	An Update on FlexiHopper 15GHz HW Releases	1.0	FlexiHopper, FlexiHopper Plus
84	Flexbus cable quality check	1.0	FlexiHopper, FlexiHopper Plus, FIU19, FIU19E
85	New codes for Transmission Loader and Hopper Manager	1.0	Transmission Loader, Hopper Manager
86	An update on FlexiHopper Plus 38GHz HW Releases	1.0	FlexiHopper, FlexiHopper Plus