# **Cable Television and Radio** Connection (FS/HfK)

LII	Νl	JX-	TA	G,	22	-	25	May	2013	
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Hall:	Stand No.:
Exhibitor:	

Order	Form	2013		Deadlin	e: 4 weeks prio	r to the even
Customer Mailing ad Technical	dress:	Fax: +49(0)30/3038-1460 Messe Berlin GmbH, c/o Ml Phone: +49(0)30/3038-14	B Capital Services GmbH, 1			ı, Germany
Qty	Order No.	Description			Price each	Price total
		Main connection – Hf-Leads	s from the Messe Berlin-Poin	t to the stand		
		Cable TV/FM Radio connec 65 db µV	tion			
	82639	in the halls			159.00 EUR	EUF
		Cable TV/FM Radio connec 65 db μV	tion			
	82640	on the open-air grounds			proof of work and materials	EUF
		Completion:				
		Dismantling:				
		Please enclose asketch for Please indicate the position of (aisles, adjacent stands). Additional costs arising from charapplicant.	your stand on the sketch			
		Stand installation:				
		We have appointed the follow on the stand behind the main	•	stallation work		
		∣ Installation company a	ppointed for the hall			
		Company:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
		(The contracting firm is aware of	the conditions applying to conne			
Please note: P	lease clarify the	ject to statutory value-added tax.	pany/your client for these servic		conditions.	
		n of invoices 30.00 EUR plus VAT recipient of invoice:	will be charged in addition.	Vat Reg. No.:		
Contact for que	ries:	Phone:		Telefax:		
E-Mail:				Your order number t	for the invoice:	
	he exhibitor. s will be charge	We are <b>only ordering by order</b> of the exhibitor.	_  We are not the exhibitor.	Legally binding signal	ture and company stamp	
within the final Messe Berlin	l invoice of	(a written confirmation is available)	Services have to be charged to our own address as			
Date:		Name of the customer (in block	mentioned above ck letters):			

## Page 2 **Installation Guide Cable TV Access**

Hall:	Stand-No.:
Exhibitor:	

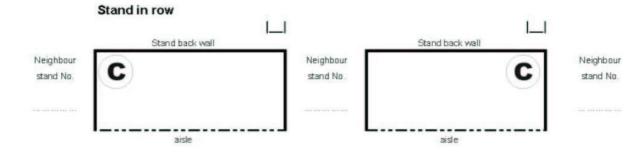
Fax: +49(0)30/3038-1460 or 3039-0009143

## Please indicate the position of your stand on the sketch (aisles, adjacent stands)

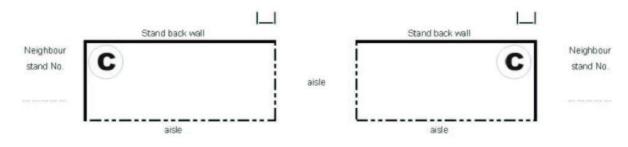
Exact details avoid the need for further enquiries, save time and trouble and ensure punctual execution.

Space for sketch for disposition of technical installations required as listed overleaf.

## Standard installation for cable TV



## Corner stand



## **General notes**

If no personnel are present on the stand when delivery is made, the services shall be considered to have been duly provided upon fulfilment of the services or delivery of the hired equipment to the stand.

The service provider/lessor is not required to check the authority of the personnel encountered on the stand when the services are provided or when hired goods are delivered.

Any complaints regarding the fulfilment of the services ordered should be made to Messe Berlin on the same day, in writing. Complaints made at a later date will be excluded. An obligation exists to rectify justifiable complaints, Cancellation of the contract or a reduction in the remuneration are only possible if the rectification of the complaint is unsuccessful

#### **Connection Conditions for Cable Television and Radio Connections**

## I. Preliminary remarks

The broadband distribution network will be set up by Messe Berlin in a fully operational state to the distribution points in the halls. It may only be extended onto the stands by Messe Berlin or one of its appointed contractors. However, installation work on the stand itself may be carried out by a specialist firm appointed by the exhibitor.

#### II. Connection conditions

The following conditions apply to the installation and operation of passive and active broadband communication components on the exhibition stands from the transfer point in hall onwards:

- 1. All the conditions specified in the FTZ guideline 1 R 8/Part 15 must be observed. Particular attention should be paid to the following:
  - screening factor
  - level, level reduction
  - decoupling RF sockets
- 2. Level reduction (minimum values)

Amplifier specifications	Number of channels	35	43
Ref. Value according to DIN 45044 B	2 Channels	19,0 dB	20,0 dB
Ref. Value according to 1 R 8/15	12 Channels	4,5 dB	5,5 dB
Ref. Value according to 1 R 8/15	35 Channels	0,0 dB	1,0 dB
Additional recommended level reduction (reserved for fluctuations in level)	35 Channels	2,0 dB	2,0 dB

- For single stage amplifiers the rated gain for the amplifier (type) should be selected as accurately as possible for
  the input/output level situation, because any reduction in level using the adjuster at the amplifier input will worsen the
  signal-to-noise ratio at input levels < 65 dB μV.</li>
- 4. Single-ended amplifiers cannot be used.
- More extensive stands should be supplied from serveral hall transfer points. Cascades of amplifiers are not recommended because this leads to a loss of quality.
- 6. TV sets should be supplied from the RF sockets with levels between 65 ... 70 dB  $\mu$ V (the ideal setting depends on manufacturer's recommendations).

## III. Remarks

Radio stations broadcasting in the long, medium or short wave-bands (LMS) are not served by broadband network. Following Prior approval by Messe Berlin, LMS receiving installations should be set up by exhibitors themselves.

Only a limited number of satellite dishes can be installed. Applications must be made in writing. You should allow for cable lengths of < 100 m between the dish and the exhibitor's stand when preparing your plans.