Catalog

Installation and distibution material 2018

Perfect technology
for highest demands

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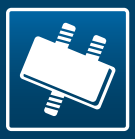

Taps / Splitters

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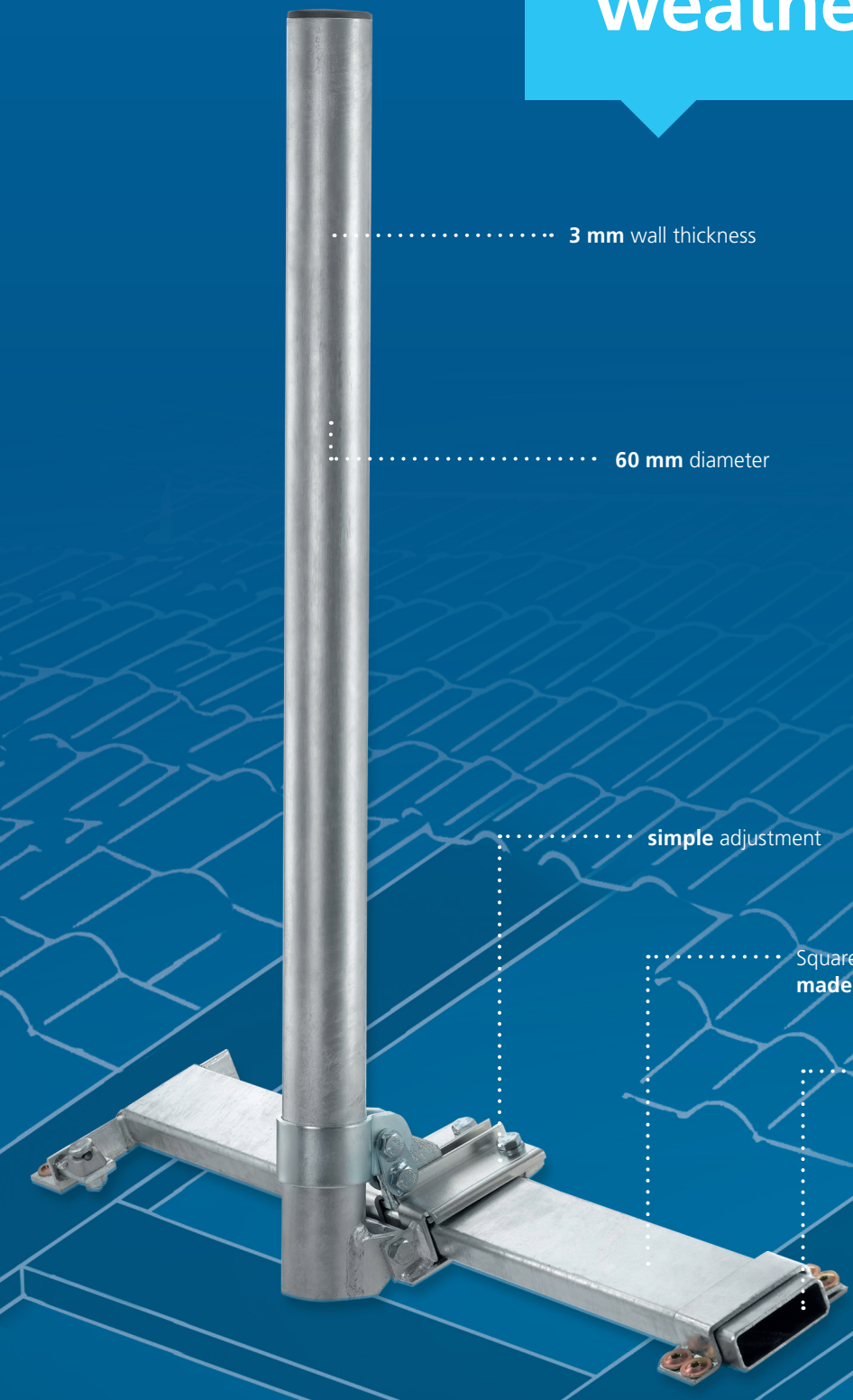
WISI Mechanical accessories:

Steadfast in any weather

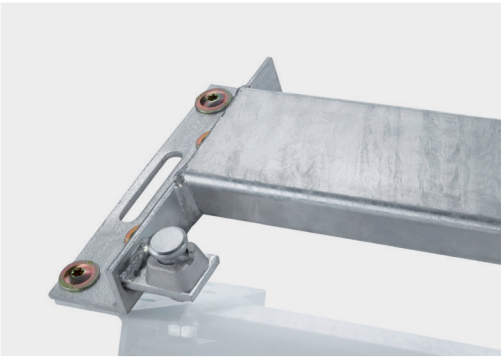


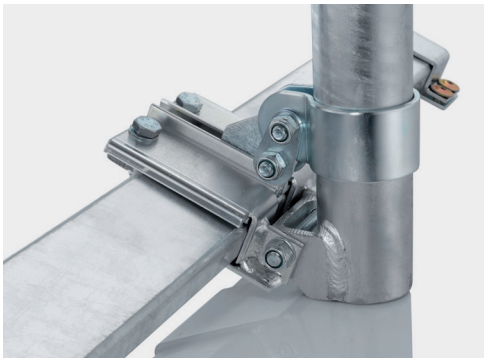
Mechanical accessories

WISI offers a complete range of solutions for the installation of satellite receiving systems. This ranges from simple sealing tape to highly stable and weather-resistant roof rafter support. So there is a suitable solution for every application.

WISI Mechanical accessories at a glance:

- Suitable for larger antenna diameter
- Suitable for all tiled roofs
- Easy handling
- Especially suitable for roofs with thermal insulation





Roof penetration

NB 10

Mast foot

Technical data	
Material	Galvanized steel
Wall thickness	3 mm
Hole distance	76 mm
Hole diameter	9 mm
Dimensions (width x height x depth)	96 x 60 x 66 mm
For mast with Ø	60 mm (until)

NC 10

Mast clamp till 45 mm

Technical data	
Material	Steel
Hole diameter	9 mm
For mast with Ø	42...45 mm

NC 85 B

Roof hood

Technical data	
Material	Die cast threading
Wall thickness	0.3 mm
Dimensions (width x height x depth)	385 x 150 x 420 mm
For mast with Ø	60 mm

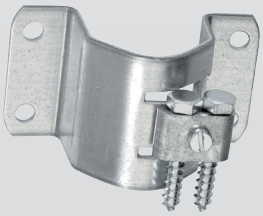
NC 03

Mast cap

Technical data	
Material	weather-proof plastic
For mast with Ø	37...48 mm

NC 11

Mast clamp till 50 mm



Technical data	
Material	Steel
Hole diameter	9 mm
For mast with Ø	46...50 mm

NC 91 A

Sealing strip

Technical data	
Material	Tightening tape. Not to be used when temperature below 5°C.
For mast with Ø	80 mm (until)

Roof penetration

NC 95 A

Pole casing

NG 60

Mast fitting kit, 60 mm

Technical data	
Material	plastic
For mast with Ø	44...48 mm

Wall bracket

MN 08
Wall bracket

MN 09
Wall bracket

MN 10
Wall bracket

MN 11
Wall bracket

Technical data				
Material	Aluminium	Aluminium	Aluminium	Aluminium
Mast diameter	50 mm	50 mm	50 mm	50 mm
Mast length	345 mm	345 mm	345 mm	345 mm
Wall thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Wall distance	200 mm	500 mm	400 mm	300 mm
Hole distance	125 mm	125 mm	125 mm	125 mm
Hole diameter	10 mm	10 mm	10 mm	10 mm
Base plate	175 x 175 mm	175 x 175 mm	175 x 175 mm	175 x 175 mm

Rafter fastener

MN 90 A

Rafter fastener

The MN 90 A is a rafter fastener. With its high bending moment from min 1100 Nm in all directions, it is the most stable holder on the market. A 100 cm antenna is possible. The mast tube's diameter is 60 mm and is suitable for a roof pitch of 25° to 56°. Thanks to 8 fixing elements with a certification for construction industry, there is no wobble at larger distances between the rafters (up to 800 mm). Thanks to a precise and stable orientation, powerful bidirectional Internet is guaranteed via satellite. The wall thickness is 3 mm and the height 90 mm.

Technical data	
Material	Tubes: galvanized steel; clamp: diecast aluminum
Mast diameter	60 mm
Mast length	900 mm
Wall thickness	3 mm
Roof bar spacing	800 mm (max.)
Roof pitch	24...56 °
Bending force	1100 Nm

characteristics

- Bending moment of min 1100Nm in all directions. Currently the strongest holder on the market. A 100 cm antenna is possible.
- mast tube with Ø 60 mm
- wall thickness 3 mm and a high from 90 cm
- 8x fastening element with construction approval
- for rafter spacing to 800 mm
- for roof pitch from 25-56°
- Precise and strong positioning for bi-directional and powerful Internet reception via satellite (e.g. for the systems Filiago, skyDSL, sat_speed).
- no wobbling with bigger rafter distances
- Rafter and between rafter solution.

Scope of delivery

- mast 90 cm
- mast clamping
- telescopic tube
- 4 screws 10 x 100 mm, SW 17
- 8 TORX- flat head screw 8x 120 mm
- installation instructions

Mast tube

MN 60 A 0300

Mast tube

MN 17 B

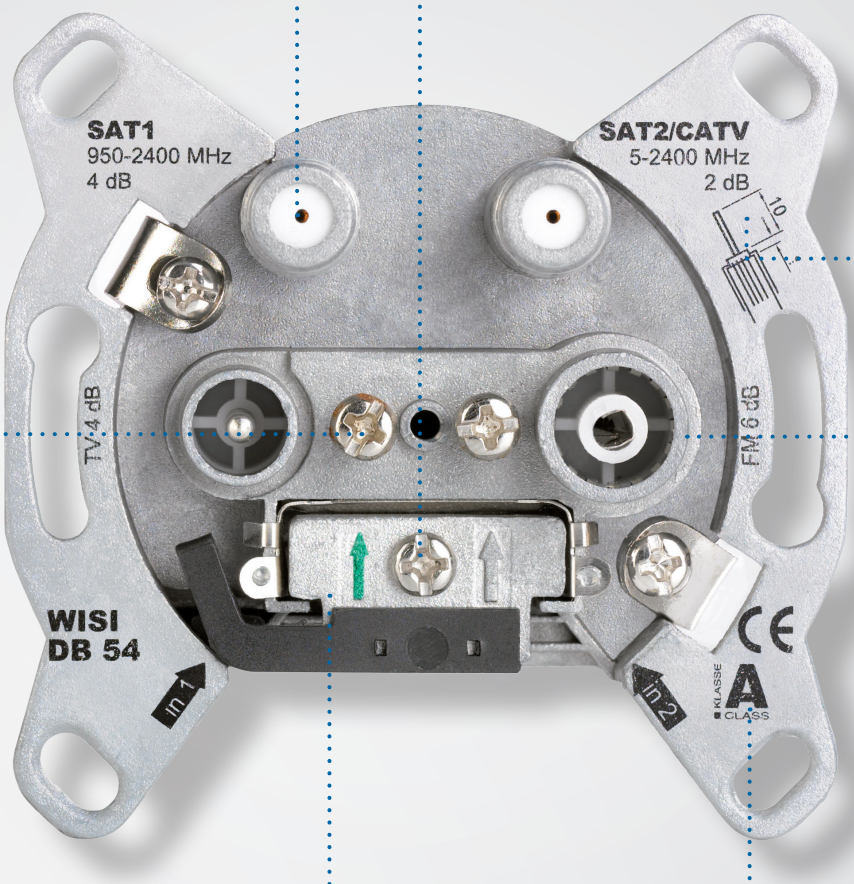
Telescopic mast

Technical data		
Material	Steel hot galvanized, EN ISO 1461	Steel hot galvanized, guide groove
Mast diameter	60 mm	48 mm
Mast length	3000 mm	2000 mm
Wall thickness	2 mm	2 mm
Bending force	1100 Nm	1650 Nm (max.)
Weight	8,55 kg	4,8 kg

WISI Wall-outlet sockets:

Quick and safe to install

Broadband connection
for CATV (modem) or 2nd satellite signal



Isolated inner conductor contact, no link between clamping screw and inner conductor

Sprung hinged ground bracket with copper contact spring sheet

Fulfill Class A

Wall-outlet sockets

High **cable retention** by lamellar technology

High screening factor

Contact spring cage for optimal **earthing contact**

WISI cables, plugs and sockets are perfectly matched, so that they achieve a consistently high screening facor. They are quick and easy to mount, have excellent performance and are manufactured in the proven and well known WISI quality.

The WISI wall-outlet sockets offer the right solution for each of reception. In addition, the WISI wall-outlet sockets are certfied for use by many cable network operators. Their high screening factor and thus avoiding external radiation ensures always the best picture quality for you.

WISI Wall-outlet sockets at a glance:

- For satellite and cable TV reception
- Compact design
- Ideal for old buildings and renovation
- Easy handling and installation

Our wall-outlet sockets have the following seal of quality:

DVB Digital Video Broadcasting

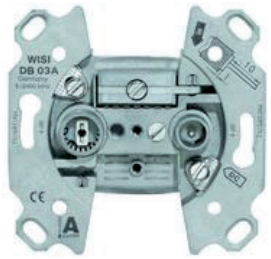
KLASSE A CLASS

digital ready

Wall-outlet sockets Universal

DB 03 A

Universal antenna sockets,
2-hole stub sockets 4 dB



Technical data	
Inputs	
Frequency range	5...2400 MHz
Outputs	
Frequency range TV	5...862 MHz
Frequency range FM	87,5...108 MHz
Frequency range SAT	950...2150 MHz
Insertion loss TV	4.5 dB
Insertion loss FM	4.5 dB
Insertion loss SAT	5 dB
Decoupling 5-40 MHz	>20 dB (from 15 MHz)

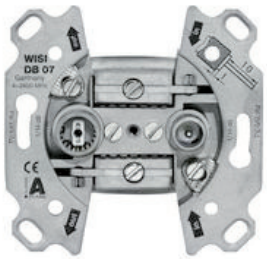
DB 05

Universal antenna sockets,
2-hole loop-through sockets 10 dB

Technical data	
Inputs	
Frequency range	5...2400 MHz
Outputs	
Frequency range IEC female	5...2400 MHz
Frequency range IEC male	5...2400 MHz
Insertion loss IEC female	10 dB (±1 dB)
Insertion loss IEC male	10 dB (±1 dB)
Through loss	2,5...3,5 dB
Decoupling OUT 1 - OUT 2	≥ 30 dB (5...2400 MHz)
Return loss subscri-ber	≥ 14 dB

DB 07

Universal antenna sockets,
2-hole loop-through sockets 14 dB



Technical data	
Inputs	
Frequency range	5...2400 MHz
Outputs	
Frequency range TV	5...862 MHz
Frequency range FM	87,5...108 MHz
Frequency range SAT	950...2150 MHz
Insertion loss TV	14 dB
Insertion loss FM	14 dB
Insertion loss SAT	15 dB
Through loss	1 dB

Wall-outlet sockets TERR/BK

DB 10 1006

TERR/BK antenna socket, 2-hole stub socket 5...1006 MHz

The DB 10 1006 is a TER terminating outlet with filter. It has a small connection loss at TV as FM 0.5 / 1.5 dB. The housing has a very high stability and ensures high shielding (class A). Thanks to a flat design its space-saving architecture and IEC socket / plug, a secure connection is ensured.

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	5...68/32...1006 MHz
Frequency range FM	87,5...108 MHz
Insertion loss TV	0.5 dB
Insertion loss FM	1.5 dB
Decoupling TV-FM	≥20 dB
Return loss TV	Cat C
Return loss Input	Cat B
Return loss FM	Cat C
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
IEC socket	1 pcs.
IEC-plug	1 pcs.
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- 1x IEC-male, 1x IEC-female

Wall-outlet sockets SAT

DB 53

SAT antenna sockets, 3-hole stub sockets

KLASSE A CLASS

The DB 53 is a 3 hole trick box for separate connections for radio, TV receivers, and additional SAT receivers. At the SAT connection, a DC bypass is integrated, which allows for the transmission of all needed switching voltage. The housing offers high stability and ensures high shielding properties (class A). Thanks to the flat design it is space-saving, and with the IEC-socket/plug, F-socket, a safe connection is guaranteed.

Technical data	
Inputs	
Frequency range	47...2150 MHz
Outputs	
Frequency range TV	47...68/174...862 MHz
Frequency range FM	87,5...108 MHz
Frequency range SAT	950...2150 MHz
Insertion loss TV	<2 dB
Insertion loss FM	1.5 dB
Insertion loss SAT	<2 dB
Decoupling TV-SAT	≥15 dB (typ. 25 dB)
Return loss TV	≥14 dB (≤ -1,5 dB per octave starting 40 MHz, ≥10 dB)
Return loss Input	≥4 dB
Return loss FM	≥10 dB
Return loss SAT	≥10 dB
Power passing	24 V DC (remote power 500 mA)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
F-socket	1 pcs.
IEC socket	1 pcs.
IEC-plug	1 pcs.
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

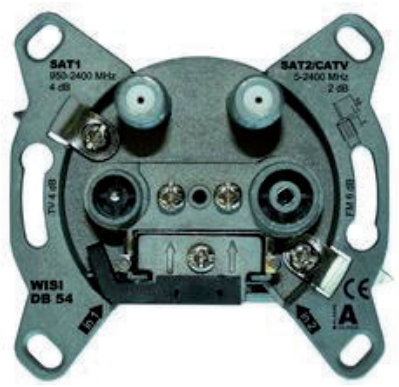
characteristics

- 3-hole stub sockets
- High screening efficiency according to Class A

Wall-outlet sockets SAT

DB 54

SAT antenna socket, twin SAT 4-hole terminal socket



KLASSE A CLASS

The DB 54 is a special 4 hole trick box for TWIN receivers, which enables 2 lines to operate independently. The SAT 2 input is suitable for CATV as well. In both SAT connections, a DC bypass is integrated to enable the transmission of the required switching voltage. The housing offers high stability and ensures high shielding properties (class A). Thanks to the flat design it is space-saving, and with the IEC-socket/plug, 2x F-socket, a safe connection is guaranteed.

Technical data	
Inputs	
Frequency range	5...2400 MHz
Outputs	
Frequency range TV	5...862 MHz
Frequency range FM	87,5...108 MHz
Frequency range SAT 1	950...2400 MHz
Frequency range SAT 2	5...2400 MHz
Insertion loss TV	4.5 dB (±1)
Insertion loss FM	5.5 dB (±1)
Insertion loss SAT 1	3...4 dB
Insertion loss SAT 2	1...2 dB
Decoupling TV-FM	≥50/≥20/≥40 dB (5...65 MHz/87,5...108 MHz/150...862 MHz)
Decoupling SAT 1 - TV	≥50/≥30/≥20 dB (5...65 MHz/80...862 MHz/950...2400 MHz)
Decoupling SAT 1 - FM	≥50/≥40/≥30 dB (5...65 MHz/85...2150 MHz/2150...2400 MHz)
Decoupling SAT 1 - SAT 2	≥30/≥25 dB (5...2150 MHz/2150...2400 MHz)
Return loss TV	≥14 dB (≤ -1,5 dB per octave starting 40 MHz, ≥10 dB)
Return loss Input	≥4 dB (≤ -1,5 dB per octave starting 40 MHz, ≥10 dB)
Return loss FM	≥10 dB
Return loss SAT	≥10 dB
Return loss SAT 2	≥14 dB (≤ -1,5 dB per octave, starting 40 MHz, ≥ 10 dB)
Power passing	24 V DC (remote power 800 mA)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
F-socket	2 pcs.
IEC socket	1 pcs.
IEC-plug	1 pcs.

Technical data	
General data	
Screening factor	85 dB (class A, EN 50083-2)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

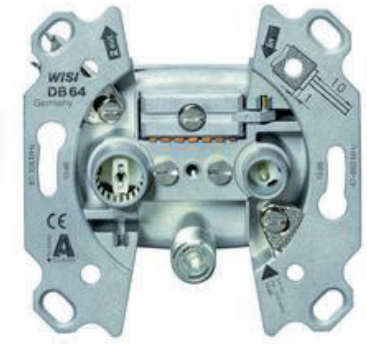
characteristics

- 2 SAT outputs for optimal signal feed of a twin receiver
- SAT output 2, also suitable for CATV
- High decoupling via directional coupler
- DC-bypass via both SAT outputs

Wall-outlet sockets SAT

DB 64

3-hole Unicable antenna box



KLASSE A CLASS

The DB 64 is a 3-hole Unicable loop-through sockets for satellite receiving equipment to separately connect radio, TV receivers and additional SAT receivers. Inside the SAT connection a DC bypass is integrated which allows the passage of the required switching voltages. The housing has a very high stability despite a very flat construction. By F and IEC sockets and IEC connector, a faster and more reliable connection is ensured. If the DB 64 used as

Technical data	
Inputs	
Frequency range	47...2150 MHz
Outputs	
Frequency range TV	47...68/120 ...862 MHz
Frequency range FM	87...108 MHz
Frequency range SAT	950...2150 MHz
Insertion loss TV	12 dB
Insertion loss FM	12 dB
Insertion loss SAT	12.5 dB
Through loss	1...2 dB
Stopband attenuation	≥40 dB
Decoupling SAT-TV	≥18 dB (typ. 30 dB)
Decoupling SAT-FM	≥40 dB
Subscriber isolation VHF-UHF	≥42 dB
Subscriber decoupling SAT	≥32 dB
Return loss TV	Cat D
Return loss Input	Cat B
Return loss FM	Cat D
Return loss SAT	Cat D
Power passing	24 V DC
Feeding voltage	400 V AC
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
F-socket	1 pcs.
IEC socket	1 pcs.
IEC-plug	1 pcs.
General data	
Screening factor	85 dB (class A, EN 50083-2)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Special socket for Unicable solutions
- High decoupling via directional coupler
- DC bypass on F-connector and the trunk

Wall-outlet sockets SAT

DB 33

Antenna sockets, 2-hole stub sockets

The DB 33 is a 2-hole wall outlet for TV and SAT. In SAT connecting a DC bypass is integrated which allows the passage of the required switching voltages. The housing has a very high stability and ensures high shielding properties (Class A). Thanks to a flat and space saving construction and through the IEC socket / plug, a secure connection is ensured.

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	47...2150 MHz
Outputs	
Frequency range TV	47...862 MHz
Frequency range SAT	950...2150 MHz
Insertion loss TV	≤1,5/<4,0 dB
Insertion loss FM	2.5 dB
Insertion loss SAT	<2,5/≤1,5 dB
Decoupling IN-SAT 47-862 MHz	≥20 dB
Decoupling IN-TV 950-2150 MHz	≥20 dB
Decoupling TV-SAT	≥20 dB
Return loss TV	Cat C
Return loss Input	Cat B
Return loss SAT	Cat C
Power passing	24 V DC (remote power 500 mA)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
IEC socket	1 pcs.
IEC-plug	1 pcs.
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- 1x IEC-male, 1x IEC-female

Multimedia wall outlet sockets, individual

DD 04 M 0650

Broadband modem sockets, stub sockets, F

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Rejection loss TV	≥40 dB (5...65 MHz)
Rejection loss FM	≥40 dB (5...65 MHz)
Insertion loss TV	4 dB
Insertion loss FM	8 dB
Insertion loss DATA	8 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥35 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥40 dB (85...1006 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB Class A, EN 50083-2
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland

Multimedia wall outlet sockets, loop-through

DD 11 M 0650

Broadband modem sockets, loop-through sockets (DATA: F-female)

KLASSE A CLASS

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	3..4 dB
Rejection loss TV	≥40 dB (5...65 MHz)
Rejection loss FM	≥40 dB (5...65 MHz)
Insertion loss TV	10 dB
Insertion loss FM	11 dB
Insertion loss DATA	10 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥45 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥45 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...1006 MHz)
Isolation FM, TV - OUT	≥30 dB (5...1006 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB Class A, EN 50083-2
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland

Multimedia wall outlet sockets, loop-through

DD 11 0650

Broadband modem sockets, loop-through sockets (DATA: WICLIC-female)

TV connection with IEC technology. Multimedia with WICLIC-connector for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	3..4 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	10 dB
Insertion loss FM	11 dB
Insertion loss DATA	10 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥45 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥45 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...1006 MHz)
Isolation FM, TV - OUT	≥30 dB (5...1006 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
WICLIC female	01
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Unitymedia certfied

Multimedia wall outlet sockets, loop-through

DD 15 HP

Broadband modem sockets, Data loop through socket with highpass filter

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...862 MHz
Outputs	
Frequency range TV	85...862 MHz
Frequency range FM	87...862 MHz
Frequency range DATA	5...862 MHz
Frequency range loop through	85...862 MHz
Insertion loss TV	14 dB
Insertion loss FM	14 dB
Insertion loss DATA	14 dB
Through loss	1,5...2,5 dB
Isolation DATA - TV	≥40 dB
Isolation DATA - FM	≥40 dB
Isolation DATA-DATA	74 dB (typ.)
Decoupling TV-FM	≥22 dB
Return loss IN	Cat B
Return loss OUT	Cat B
Return loss ALL	Cat C
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,8...1,3 mm
F-socket	1 pcs.
IEC socket	1 pcs.
IEC-plug	1 pcs.
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland

Multimedia wall outlet sockets, loop-through

DD 15 M 0650

Broadband modem sockets, loop-through sockets (DATA: F-female)

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,75 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	14 dB
Insertion loss FM	15 dB
Insertion loss DATA	14 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

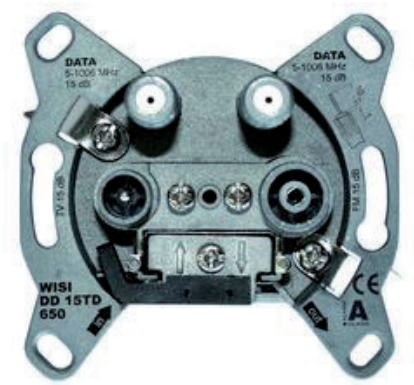
characteristics

- Approved by Vodafone Kabel Deutschland

Multimedia wall outlet sockets, loop-through

DD 15 TD 650

TWIN broadband modem socket, loop-through socket



KLASSE A CLASS

Loop-through connection socket with TV out, radio out and 2 modem connections for multimedia applications. Same tap loss for TV out, radio out and both DATA connections. Capacitive separation of the inner connector at all connections. Compliant with UM TS 405 (December 2010). Shielding class A (≥85 dB).

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	109...1006 MHz
Frequency range FM	87,5...108 MHz
Frequency range DATA	5...1006 MHz
Frequency range loop through	5...1006 MHz
Insertion loss TV	≥52/≤15 dB (5…65 MHz/109…1006 MHz)
Insertion loss FM	≥52/≤15 dB (5…65 MHz/87,5…108 MHz)
Insertion loss DATA	≤15 dB (5…1006 MHz)
Through loss	≤2,5/≤2,8 dB (5…862 MHz/862…1006 MHz)
Isolation DATA - TV	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA - FM	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA-DATA	≥35 dB (5…1006 MHz, ≤ 1,5 dB/ Okt. ab 40 MHz)
Connectors	
Outer conductor clamp	2,3...5,4 mm (input and output)
Inner conductor clamp	0,4...1,15 mm (input and output)
F-socket	2 pcs. (DATA 1/2)
IEC socket	1 pcs. (radio)
IEC-plug	1 pcs. (TV)
General data	
Screening factor	≥85 dB (class A)

- Same tap loss for TV out, radio out and both DATA connections
- Capacitive separation of the inner connector at all interfaces
- Compliant with UM TS 405 (December 2010)
- Screening class A (≥85 dB)

characteristics

Multimedia wall outlet sockets, loop-through

DD 15 0650

Broadband modem sockets, loop-through sockets (DATA: WICLIC-female)

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,75 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	14 dB
Insertion loss FM	15 dB
Insertion loss DATA	14 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
WICLIC female	01
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

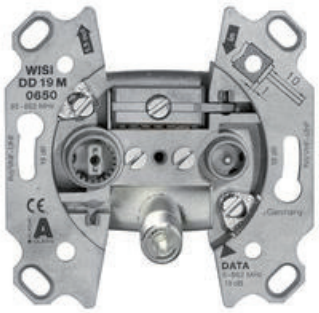
characteristics

- Unitymedia certfied

Multimedia wall outlet sockets, loop-through

DD 19 M 0650

Multimedia wall outlet sockets, loop-through socket



KLASSE A CLASS

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,4 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	19 dB
Insertion loss FM	19 dB
Insertion loss DATA	19 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland
- Same tap loss for TV out, radio out and both DATA connections
- Frequency range of 5…1006 MHz
- Capacitive separation of the inner connector at all interfaces
- Screening Class A

Multimedia wall outlet sockets, loop-through

DD 19 0650

Broadband modem sockets, loop-through sockets

TV connection with IEC technology. Multimedia with WICLIC-connector for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,4 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	19 dB
Insertion loss FM	19 dB
Insertion loss DATA	19 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
WICLIC female	01
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Unitymedia certfied

Multimedia wall outlet sockets, loop-through

DD 23 M 0650

Multimedia wall outlet sockets, loop-through DD23

TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,4 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	23 dB
Insertion loss FM	24 dB
Insertion loss DATA	23 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland
- Same tap loss for TV out, radio out and both DATA connections
- Frequency range of 5…1006 MHz
- Capacitive separation of the inner connector at all interfaces
- Screening Class A

Multimedia wall outlet sockets, loop-through

DD 23 0650

Broadband modem sockets, loop-through sockets

TV connection with IEC technology. Multimedia with WICLIC-connector for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Through loss	1,2...1,4 dB
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	23 dB
Insertion loss FM	24 dB
Insertion loss DATA	23 dB
Isolation DATA - TV	≥70 dB (5...65 MHz)
Isolation DATA - TV	≥50 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥50 dB (85...1006 MHz)
Isolation DATA - OUT	≥30 dB (5...65 MHz)
Isolation FM, TV - OUT	≥30 dB (5...65 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
WICLIC female	01
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

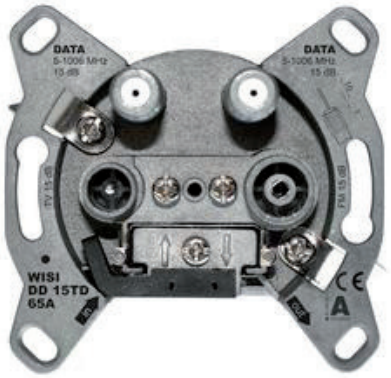
characteristics

- Unitymedia certfied

Multimedia wall outlet sockets, loop-through

DD 15 TD 65A

TWIN broadband modem socket, loop-through socket



KLASSE A CLASS

4 output loop-through connection socket with TV out, radio out and 2 modem connections for multimedia applications. Same tap loss for TV out, radio out and both DATA connections. Capacitive separation of the inner connector at all ports. Shielding class A (≥85 dB). Unitymedia certified according UM TS 40.

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	109...1006 MHz
Frequency range FM	87,5...108 MHz
Frequency range DATA	5...1006 MHz
Frequency range loop through	5...1006 MHz
Insertion loss TV	≥52/≤15 dB (5…65 MHz/109…1006 MHz)
Insertion loss FM	≥52/≤15 dB (5…65 MHz/87,5…108 MHz)
Insertion loss DATA	≤15 dB (5…1006 MHz)
Through loss	≤2,5/≤2,8 dB (5…862 MHz/862…1006 MHz)
Isolation DATA - TV	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA - FM	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA-DATA	≥35 dB (5…1006 MHz, ≤ 1,5 dB/ Okt. ab 40 MHz)
Connectors	
Outer conductor clamp	2,3...5,4 mm (input and output)
Inner conductor clamp	0,4...1,15 mm (input and output)
F-socket	2 pcs. (DATA 1/2)
IEC socket	1 pcs. (radio)
IEC-plug	1 pcs. (TV)
General data	
Screening factor	≥85 dB (class A)

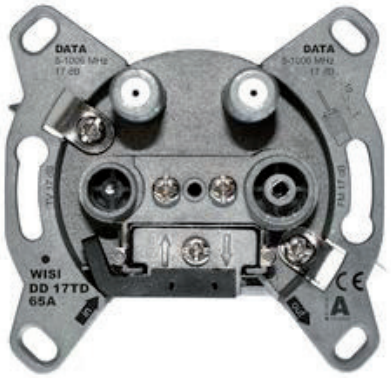
characteristics

- Same tap loss for TV out, radio out and both DATA connections
- Frequency range of 5…1006 MHz
- Capacitive separation of the inner connector at all interfaces
- Unitymedia certified according UM TS 405
- Screening class A (≥85 dB)

Multimedia wall outlet sockets, loop-through

DD 17 TD 65A

TWIN broadband modem socket, loop-through socket



KLASSE A CLASS

4 output loop-through connection socket with TV out, radio out and 2 modem connections for multimedia applications. Same tap loss for TV out, radio out and both DATA connections. Capacitive separation of the inner connector at all ports. Shielding class A (≥85 dB). Unitymedia certified according UM TS 40.

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	109...1006 MHz
Frequency range FM	87,5...108 MHz
Frequency range DATA	5...1006 MHz
Frequency range loop through	5...1006 MHz
Insertion loss TV	≥52/ ≤17 dB (5…65 MHz/109…1006 MHz)
Insertion loss FM	≥52/ ≤17 dB (5…65 MHz/87,5…108 MHz)
Insertion loss DATA	≤17 dB (5…1006 MHz)
Through loss	≤1,8 dB
Isolation DATA - TV	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA - FM	≥60/≥30 dB (5…65 MHz/65…1006 MHz)
Isolation DATA-DATA	≥35 dB (5…1006 MHz, ≤ 1,5 dB/ Okt. ab 40 MHz)
Connectors	
Outer conductor clamp	2,3...5,4 mm (input and output)
Inner conductor clamp	0,4...1,15 mm (input and output)
F-socket	2 pcs. (DATA 1/2)
IEC socket	1 pcs. (radio)
IEC-plug	1 pcs. (TV)
General data	
Screening factor	≥85 dB (class A)

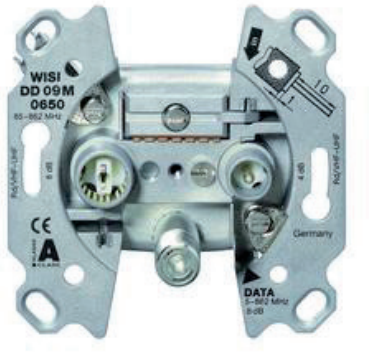
characteristics

- Same tap loss for TV out, radio out and both DATA connections
- Frequency range of 5…1006 MHz
- Capacitive separation of the inner connector at all interfaces
- Unitymedia certified according UM TS 405
- Screening class A (≥85 dB)

Multimedia wall outlet sockets, terminal socket

DD 09 M 0650

Multimedia wall outlet sockets, terminal socket



TV connection with IEC technology. Multimedia with F-connector or WICLIC for cable modem. HF output high-pass filtered. Cover plate and connector cable see accessories

KLASSE A CLASS

Technical data	
Inputs	
Frequency range	5...1006 MHz
Outputs	
Frequency range TV	85...1006 MHz
Frequency range FM	87...1006 MHz
Frequency range DATA	5...1006 MHz
Rejection loss TV	≥40 dB 5...65 MHz
Rejection loss FM	≥40 dB 5...65 MHz
Insertion loss TV	9 dB
Insertion loss FM	10 dB
Insertion loss DATA	9 dB
Isolation DATA - TV	≥60 dB (5...65 MHz)
Isolation DATA - TV	≥35 dB (85...1006 MHz)
Isolation DATA - FM	≥70 dB (5...65 MHz)
Isolation DATA - FM	≥45 dB (85...1006 MHz)
Return loss IN, OUT	≥18 dB (-1.5 dB/oct.)
Return loss TV	≥14 dB (-1.5 dB/oct.)
Return loss FM	≥14 dB (-1.5 dB/oct.)
Return loss DATA	≥18 dB (-1.5 dB/oct.)
Intermodulation ratio	> 120 dBµV (EN60728-4)
Connectors	
Outer conductor clamp	7.5 mm
Inner conductor clamp	0,6...1,3 mm
F-socket	1 pcs. EN60169-24
IEC socket	1 pcs. EN60169-2
IEC-plug	1 pcs. EN60169-2
General data	
Screening factor	>85 dB (class A)
Dimensions (width x height x depth)	70 x 70 x 22 mm
Installation depth	35 mm

characteristics

- Approved by Vodafone Kabel Deutschland

Accessories for antenna sockets

DD 99

Mounting frame

Technical data	
General data	
Dimensions (width x height x depth)	75 x 75 x 35 mm

The DD 99 is a surface mounting frame. This is certified for KDG and Unitymedia.

DV 23

Terminating resistor 75 Ω

Technical data	
Type	75 Ω termination for loop sockets
Type of mounting	clamped
construction style	straight
Material	nickel plated brass
Dimensions (width x height x depth)	Ø 5 x 21 mm
DC seperation	No

The DV 23 is an attachable terminating resistor of 75 Ohm for the installation of antenna doses.

Accessories for antenna sockets

DV 27

Terminating resistor 75 Ω, with DC-separation

Technical data	
Type	75 Ω termination for loop sockets
Type of mounting	clamped
construction style	straight
Material	nickel plated brass
Dimensions (width x height x depth)	Ø 5 x 22 mm
DC seperation	Yes

DW 41

Blocking socket for multimedia boxes

Technical data	
General data	
Quantity of holes	2 pcs.

TV and radio plug of the antenna socket is blocked, multimedia functionen (telephony and internet) still usable; bolting unlockable only with special equipment DZ 41; no manipulation possible; easy and quick mounting; Scope of delivery: blocking socket, screw and cover

Accessories Wall-outlet sockets

DW 42

Central cover plate, 2-hole, 75 x 75 mm

Technical data	
General data	
Quantity of holes	2 pcs.
Dimensions (width x height x depth)	75 x 75 mm

DW 45

Central cover plate, 3-hole, 75 x 75 mm

Technical data	
General data	
Quantity of holes	3 pcs.
Dimensions (width x height x depth)	75 x 75 mm

DW 46

Central cover plate, 3-hole, 75 x 75 mm

Technical data	
General data	
Quantity of holes	3 pcs.
Dimensions (width x height x depth)	75 x 75 mm

characteristics

- Unitymedia certfied

DW 44

Central cover plate, 2-hole, 85 x 85 mm

Technical data	
General data	
Quantity of holes	2 pcs.
Dimensions (width x height x depth)	85 x 85 mm

DW 45 T

Central cover plate, 4-hole, 75 x 75 mm

Technical data	
General data	
Quantity of holes	4 pcs.
Dimensions (width x height x depth)	75 x 75 mm

DW 49 M

Central cover plate, 3-hole, 85 x 85 mm

Technical data	
General data	
Quantity of holes	3 pcs.
Dimensions (width x height x depth)	85 x 85 mm

characteristics

- Approved by Vodafone Kabel Deutschland

Accessories Wall-outlet sockets

DW 49 T

Central cover plate, 4-hole, 85 x 85 mm

DZ 41

Screwdriver for DW 41

Technical data	
General data	
Quantity of holes	4 pcs.
Dimensions (width x height x depth)	85 x 85 mm

The DZ 41 is suitable as a screwdriver for the patented DW 41.

Multimedia Push- on Adapter

DD 94

Push- on Adapter

The DD 94 push-on adapter enables the expansion of common two-way wall outlets with two further WICLIC data connectors. By pushing it onto the regular wall outlet and fixing it with the screw in the center, you get two multimedia outputs in addition to those of the TV and radio. The upgrade to return path-capable networks also calls for particular requirements of the intermodulation suppression. The DD 94 suits this upgrade thanks to its very high intermodulation ratio according to DIN EN 60728-4. In addition, the white bronze plated housing reaches a very high screening efficiency of CLASS A+. Because of its frequency range of up to 2 GHz, the DD 94 push-on adapter is prepared for future frequency expansions.

Technical data	
Frequency range	
TV in > TV out	85...2000 MHz
TV in > Data 1	5...2000 MHz
Radio in > Radio out	85...2000 MHz
Radio in > Data 2	5...2000 MHz
Insertion loss	
TV in > TV out 85...1218 MHz	4,5...5,2 dB
TV in > TV out 1218...2000 MHz	5,2...7,0 dB
TV in > Data 1 5...1218 MHz	3,9...4,6 dB
TV in > Data 1 1218...2000 MHz	4,6...6,0 dB
Radio in > Radio out 85...1218 MHz	4,5...5,2 dB
Radio in > Radio out 1218...2000 MHz	5,2...7,0 dB
Radio in > Data 2 5...1218 MHz	3,9...4,6 dB
Radio in > Data 2 1218...2000 MHz	4,6...6,0 dB
Isolation	
Data 1 <> TV out 5...65 MHz	≥ 40 dB
Data 1 <> TV out 85...1218 MHz	≥ 25 dB
Data 1 <> TV out 1218...2000 MHz	15...25 dB
Data 1 <> Radio out 5...2000 MHz	≥ 70 dB
Data 2 <> Radio out 5...65 MHz	≥ 40 dB
Data 2 <> Radio out 85...1218 MHz	≥ 25 dB
Data 2 <> Radio out 1218...2000 MHz	15...25 dB
Data 2 <> TV out 5...2000 MHz	≥ 70 dB
Data 1 <> Data 2 5...2000 MHz	≥ 70 dB
Return loss	
Impedance	75 Ω
TV in, Radio in, Data 1 & 2 12...1218 MHz	≤ 16 dB
TV in, Radio in, Data 1 & 2 1218...2000 MHz	≤ 16 dB

Technical data	
TV out, Radio out 470...1218 MHz	≤ 14 dB
TV out, Radio out 1218...2000 MHz	10...14 dB
Intermodulation	
Data	≥ 115 dBµV according to DIN EN 60728-4, Carrier 1: 60 MHz, Carrier 2: 65 MHz
Connectors	
TV in	IEC female (IEC 61169-2)
Radio in	IEC male (IEC 61169-2)
Data 1	WICLIC female
Data 2	WICLIC female
TV out	IEC male (IEC 61169-2)
Radio out	IEC female (IEC 61169-2)
General data	
Screening factor	Class A+, to EN 50083-2
Dimensions (width x height x depth)	60 x 45 x 20 mm (without connectors)

characteristics

- Easy installation Push- on Adaptor
- Upgrade a 2-way wall outlet with 2 data connections (WICLIC)
- Capacitive separation of the inner connector at all interfaces
- Very high screening Class A +
- White bronze plating die-cast housing
- Very high port isolation and return loss
- Central fixing screw

WISI Taps/Splitters:

Signal distribution at the highest level

Energy saving
by standby function

highly shielded diecast housing

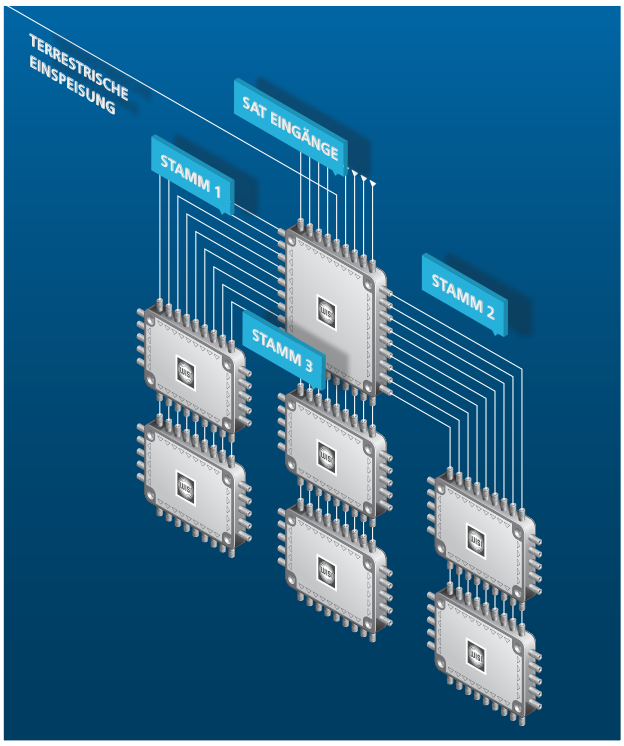
Taps/Splitters

Fixed sockets

Grounding clamp

If you want to design complex and extensive distribution networks, then WISI offers an wide range of splitters and taps that you can implement this easily.

The splitters and taps are available for different applications such as distribution of SAT signals in large building complexes or the distribution of cable television signals for your local cable service provider.
The highest value is on a lossless transport of the signals and of course on the prevention of foreign inclusions radiation placed by other signal sources (such as DECT phones).



Grounding and potential compensation!

According to EN 50083-1 the satellite antenna system have to suit security requirements such as e.g. grounding and potential compensation.

Plug-on splitter

DM 43 A 0397

Plug-on splitter

Technical data	
Frequency range	47...2050 MHz
Distribution loss	3,5...4,5 dB
Isolation	19...15 dB (typ.)
Return loss	18 dB
Connectors	
IEC	3 pcs. (2x plug, 1x socket)
General data	
Screening factor	>75/>70 dB (47...450 MHz/450...2050 MHz)
DC Bypass IN/OUT 1A/30V	Yes

The two-way splitter DM43A 0397 is a splitter with IEC-technology for the frequency range 47…2050 MHz.

Taps CATV 1 GHz

DM 21 C

One-way tap, 8 dB

KLASSE A CLASS

DM 24 C

One-way tap, 16 dB

KLASSE A CLASS

Technical data		
Frequency range	5...1006 MHz	5...1006 MHz
Through loss	1,5...2,0 dB	0.8 dB
TAP loss	8 dB	16 dB
Directional attenuation	30/25 dB (5...470/470...1000 MHz)	40/28 dB (5...470/470...1000 MHz)
Return loss	18...22 dB	18...22 dB
Connectors		
F-socket	3 pcs. (1x input, 1x run through, 1x branch	3 pcs. (1x input, 1x run through, 1x branch
General data		
Screening factor	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	No	No
Dimensions (width x height x depth)	55 x 50 x 28 mm	55 x 50 x 28 mm

Taps CATV 1 GHz

DM 34 C

Two-way tap, 16 dB

KLASSE A CLASS

DM 35 C

Two-way tap, 20 dB

KLASSE A CLASS

Technical data		
Frequency range	5...1006 MHz	5...1006 MHz
Through loss	0,8...1,2 dB	0,5...1,0 dB
TAP loss	16 dB	20 dB
Directional attenuation	≥35/≥28 dB (5...470/470...1000 MHz)	≥45/≥32 dB (5...470/470...1000 MHz)
Isolation	≥34 dB	≥34 dB
Return loss	18...22 dB	18...22 dB
Connectors		
F-socket	4 pcs. (1x input, 1x run through, 2x branch	4 pcs. (1x input, 1x run through, 2x branch
General data		
Screening factor	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	No	No
Dimensions (width x height x depth)	78 x 50 x 27 mm	78 x 50 x 27 mm

Taps CATV 1 GHz

DM 36 B 4013

Four-way tap, 13...15,5 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1006 MHz
Through loss	4 dB
TAP loss	13...15,5 dB
Directional attenuation	30...26/24 dB (5...470/470...1000 MHz)
Isolation	40...36/32 dB (5...470/470...1000 MHz)
Return loss	18...22 dB
Connectors	
F-socket	6 pcs. (1x input, 1x run through, 4x branch
General data	
Screening factor	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	Yes
Dimensions (width x height x depth)	92 x 54 x 42 mm

Splitters CATV 1,3 GHz

DM 61 A 0006

TAP symmetrical 1,3 GHz,
1-way, 6 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	2,2 dB (±0,5 dB)
65...470 MHz	2,2 dB (±0,5 dB)
470...862 MHz	2,4 dB (±0,5 dB)
862...1006 MHz	2,5 dB (±0,5 dB)
1006...1300 MHz	3,0 dB (±0,8 dB)
TAP loss	
5...65 MHz	6,0 dB (±1,5 dB)
65...470 MHz	6,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 61 A 0008

TAP symmetrical 1,3 GHz,
1-way, 8 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	1,5 dB (±0,3 dB)
65...470 MHz	1,5 dB (±0,3 dB)
470...862 MHz	1,8 dB (±0,3 dB)
862...1006 MHz	2,0 dB (±0,5 dB)
1006...1300 MHz	2,2 dB (±0,5 dB)
TAP loss	
5...65 MHz	8,0 dB (±1,5 dB)
65...470 MHz	8,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 61 A 0010

TAP symmetrical 1,3 GHz,
1-way, 10 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	1,2 dB (±0,3 dB)
65...470 MHz	1,2 dB (±0,3 dB)
470...862 MHz	1,4 dB (±0,5 dB)
862...1006 MHz	1,6 dB (±0,5 dB)
1006...1300 MHz	1,8 dB (±0,5 dB)
TAP loss	
5...65 MHz	10,0 dB (±1,0 dB)
65...470 MHz	10,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters CATV 1,3 GHz

DM 61 A 0012

TAP symmetrical 1,3 GHz,
1-way, 12 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	0,8 dB (±0,2 dB)
65...470 MHz	0,8 dB (±0,3 dB)
470...862 MHz	0,8 dB (±0,3 dB)
862...1006 MHz	1,0 dB (±0,5 dB)
1006...1300 MHz	1,5 dB (±0,8 dB)
TAP loss	
5...65 MHz	12,0 dB (±1,0 dB)
65...470 MHz	12,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 61 A 0016

TAP symmetrical 1,3 GHz,
1-way, 16 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	0,4 dB (±0,2 dB)
65...470 MHz	0,4 dB (±0,2 dB)
470...862 MHz	0,6 dB (±0,3 dB)
862...1006 MHz	0,8 dB (±0,5 dB)
1006...1300 MHz	1,0 dB (±0,8 dB)
TAP loss	
5...65 MHz	16,0 dB (±1,0 dB)
65...470 MHz	16,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 61 A 0020

TAP symmetrical 1,3 GHz,
1-way, 20 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	0,4 dB (±0,2 dB)
65...470 MHz	0,4 dB (±0,2 dB)
470...862 MHz	0,6 dB (±0,3 dB)
862...1006 MHz	0,8 dB (±0,3 dB)
1006...1300 MHz	0,8 dB (±0,5 dB)
TAP loss	
5...65 MHz	20,0 dB (±1,0 dB)
65...470 MHz	20,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters CATV 1,3 GHz

DM 62 A 0008

TAP symmetrical 1,3 GHz,
2-way, 8 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	3,8 dB (±0,5 dB)
65...470 MHz	3,8 dB (±0,5 dB)
470...862 MHz	3,8 dB (±0,5 dB)
862...1006 MHz	3,8 dB (±0,5 dB)
1006...1300 MHz	4,0 dB (±0,8 dB)
TAP loss	
5...65 MHz	8,5 dB (±1,0 dB)
65...470 MHz	8,5 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 62 A 0010

TAP symmetrical 1,3 GHz,
2-way, 10 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	2,2 dB (±0,5 dB)
65...470 MHz	2,2 dB (±0,5 dB)
470...862 MHz	2,7 dB (±0,5 dB)
862...1006 MHz	2,8 dB (±0,5 dB)
1006...1300 MHz	3,5 dB (±0,8 dB)
TAP loss	
5...65 MHz	10,5 dB (±1,0 dB)
65...470 MHz	10,5 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 62 A 0012

TAP symmetrical 1,3 GHz,
2-way, 12 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	1,2 dB (±0,5 dB)
65...470 MHz	1,2 dB (±0,5 dB)
470...862 MHz	1,4 dB (±0,5 dB)
862...1006 MHz	1,8 dB (±0,5 dB)
1006...1300 MHz	2,2 dB (±0,8 dB)
TAP loss	
5...65 MHz	12,5 dB (±1,0 dB)
65...470 MHz	12,5 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters CATV 1,3 GHz

DM 62 A 0016

TAP symmetrical 1,3 GHz,
2-way, 16 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	1,0 dB (±0,5 dB)
65...470 MHz	1,0 dB (±0,5 dB)
470...862 MHz	1,2 dB (±0,5 dB)
862...1006 MHz	1,4 dB (±0,5 dB)
1006...1300 MHz	1,7 dB (±0,5 dB)
TAP loss	
5...65 MHz	16,5 dB (±1,0 dB)
65...470 MHz	16,5 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 62 A 0020

TAP symmetrical 1,3 GHz,
2-way, 20 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	0,8 dB (±0,3 dB)
65...470 MHz	0,8 dB (±0,3 dB)
470...862 MHz	1,0 dB (±0,3 dB)
862...1006 MHz	1,2 dB (±0,5 dB)
1006...1300 MHz	1,7 dB (±0,5 dB)
TAP loss	
5...65 MHz	20,0 dB (±1,0 dB)
65...470 MHz	20,0 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 63 A 0016

TAP symmetrical 1,3 GHz,
3-way, 16 dB

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	1,6 dB (±0,5 dB)
65...470 MHz	1,6 dB (±0,3 dB)
470...862 MHz	1,6 dB (±0,3 dB)
862...1006 MHz	1,8 dB (±0,3 dB)
1006...1300 MHz	2,5 dB (±0,5 dB)
TAP loss	
5...65 MHz	16,5 dB (±1,0 dB)
65...470 MHz	16,5 dB (±1,0 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters CATV 1,3 GHz

DM 64 A 1316

TAP asymmetrical 1,3 GHz,
4-way 13...16 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	3,8 dB (±0,8 dB)
65...470 MHz	3,8 dB (±0,8 dB)
470...862 MHz	3,8 dB (±0,8 dB)
862...1006 MHz	4,0 dB (±1,0 dB)
1006...1300 MHz	5,0 dB (±1,0 dB)
TAP loss	
TAP 1	12,5 dB (±1,5 dB)
TAP 2	13,5 dB (±1,5 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Graded TAP loss
- Approved by Vodafone Kabel Deutschland

DM 66 A 1318

TAP asymmetrical 1,3 GHz,
6-way 13...18 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	5,0 dB (±1,0 dB)
65...470 MHz	5,0 dB (±1,0 dB)
470...862 MHz	5,5 dB (±1,0 dB)
862...1006 MHz	6,5 dB (±1,0 dB)
1006...1300 MHz	7,5 dB (±1,5 dB)
TAP loss	
TAP 1	12,5 dB (±1,5 dB)
TAP 2	13,5 dB (±1,5 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Graded TAP loss
- Approved by Vodafone Kabel Deutschland

DM 68 A 1320

TAP asymmetrical 1,3 GHz,
8-way 13...20 dB

Technical data	
Frequency range	5...1300 MHz
Through loss	
5...65 MHz	7,5 dB (±1,0 dB)
65...470 MHz	7,5 dB (±1,0 dB)
470...862 MHz	7,5 dB (±1,0 dB)
862...1006 MHz	8,0 dB (±1,5 dB)
1006...1300 MHz	9,5 dB (±1,5 dB)
TAP loss	
TAP 1	12,5 dB (±1,5 dB)
TAP 2	13,5 dB (±1,5 dB)

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Graded TAP loss
- Approved by Vodafone Kabel Deutschland

Taps SAT

DM 51 1010

One-way tap, 11 dB

DM 51 1015

One-way tap, 15 dB

DM 51 1020

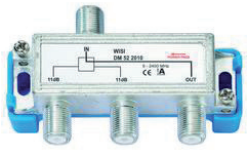
One-way tap, 20 dB

Technical data			
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz
Through loss	1,5...2,5 dB	1,0...2,0 dB	0,7...1,8 dB
TAP loss	11 dB	15 dB	20 dB
Directional attenuation	32/25/22 dB (5...40/40...100/100...2400 MHz)	35/30/25 dB (5...40/40...100/100...2400 MHz)	40/32/28 dB (5...40/40...100/100...2400 MHz)
Return loss	18...22 dB	18...22 dB	18...22 dB
Connectors			
F-socket	3 pcs. (1x input, 1x run through, 1x branch	3 pcs. (1x input, 1x run through, 1x branch	3 pcs. (1x input, 1x run through, 1x branch
General data			
Screening factor	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	Yes	Yes	Yes
Dimensions (width x height x depth)	52 x 50 x 18 mm	52 x 50 x 18 mm	52 x 50 x 18 mm

Taps SAT

DM 52 2010

Two-way tap, 11 dB



KLASSE A CLASS

DM 52 2015

Two-way tap, 15 dB

KLASSE A CLASS

DM 52 2020

Two-way tap, 20 dB

KLASSE A CLASS

Technical data			
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz
Through loss	3,0...4,0 dB	2,0...4,0 dB	1,5...3,5 dB
TAP loss	11 dB	15 dB	20 dB
Directional attenuation	23/20 dB (5...40/40...2400 MHz)	22 / 20 dB (5...40/40...2400 MHz)	25/20 dB (5...40/40...2400 MHz)
Isolation	≥28 dB	≥30 dB	≥32 dB
Return loss	18...22 dB	18...22 dB	18...22 dB
Connectors			
F-socket	4 pcs. (1x input, 1x run through, 2x branch	4 pcs. (1x input, 1x run through, 2x branch	4 pcs. (1x input, 1x run through, 2x branch
General data			
Screening factor	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	Yes	Yes	Yes
Dimensions (width x height x depth)	74 x 48 x 18 mm	74 x 48 x 18 mm	74 x 48 x 18 mm

Taps SAT

DM 54 A 4010

Four-way tap, 11/12,5...14 dB

DM 54 A 4015

Four-way tap, 15/15 dB

DM 54 A 4020

Four-way tap, 20/20 dB

DM 54 A 4025

Four-way tap, 25 dB

Technical data				
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz	5...2400 MHz
Through loss	3,5/4,5...5 dB (5...862/862...2400 MHz)	2,5/4,5 dB (5...862/862...2400 MHz)	1,0/2...2,5 dB (5...862/862...2400 MHz)	0,6/1,8...2,5 dB (5...862/862...2400 MHz)
TAP loss	11/12,5...14 dB (5...862/862...2400 MHz)	15/15 dB (5...862/862...2400 MHz)	20/20 dB (5...862/862...2400 MHz)	25/25 dB (5...862/862...2400 MHz)
Directional attenuation	≥25 dB	≥25 dB	≥25 dB	≥25 dB
Isolation	≥21 dB	≥21 dB	≥21 dB	≥21 dB
Return loss	18...22 dB	18...22 dB	18...22 dB	18...22 dB
Connectors				
F-socket	6 pcs. (1x input, 1x run through, 4x branch	6 pcs. (1x input, 1x run through, 4x branch	6 pcs. (1x input, 1x run through, 4x branch	6 pcs. (1x input, 1x run through, 4x branch
General data				
Screening factor	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	Yes	Yes	Yes	Yes
Dimensions (width x height x depth)	74 x 58 x 18 mm	74 x 58 x 18 mm	74 x 58 x 18 mm	74 x 58 x 18 mm

Splitters CATV 1 GHz

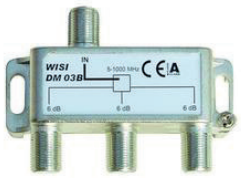
DM 02 B

Splitter, 2-way

KLASSE A CLASS

DM 03 B

Splitter, 3-way



KLASSE A CLASS

DM 04 B

Splitter, 4-way

KLASSE A CLASS

Technical data			
Frequency range	5...1006 MHz	5...1006 MHz	5...1006 MHz
Distribution loss	3.7 dB	5.9 dB	7.5 dB
Isolation	30 dB	30 dB	30 dB
Return loss	18 dB	18 dB	18 dB
Connectors			
F-socket	3 pcs. (1x input, 2x output)	4 pcs. (1x input, 3x output)	5 pcs. (1x input, 4x output)
General data			
Screening factor	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	No	No	No
Dimensions (width x height x depth)	55x50x28 mm	78x50x28 mm	78x50x28 mm

Splitters CATV 1 GHz

DM 06 B

Splitter, 6-way

KLASSE A CLASS

DM 08 B

Splitter, 8-way

KLASSE A CLASS

Technical data		
Frequency range	5...1006 MHz	5...1006 MHz
Distribution loss	10 dB	11 dB
Isolation	≥25 dB	>25 dB
Return loss	18 dB	18 dB
Connectors		
F-socket	7 pcs. (1x input, 6x output)	9 pcs. (1x input, 8x output)
General data		
Screening factor	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	No	No
Dimensions (width x height x depth)	115x54x42 mm	115x54x42 mm

Splitters CATV 1,3 GHz

DM 02 D

Splitter 1,3 GHz, 2-way

Technical data	
Frequency range	5...1300 MHz
Distribution loss	
5...65 MHz	3,3 dB (±0,5 dB)
65...470 MHz	3,3 dB (±0,5 dB)
470...862 MHz	3,5 dB (±0,5 dB)
862...1006 MHz	3,7 dB (±0,5 dB)
1006...1300 MHz	4,0 dB (±0,8 dB)
Isolation	
5...65 MHz	>30,0 dB
65...470 MHz	>28,0 dB

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 03 D

Splitter 1,3 GHz, 3-way

Technical data	
Frequency range	5...1300 MHz
Distribution loss	
5...65 MHz	5,2 dB (±0,5 dB)
65...470 MHz	5,2 dB (±0,5 dB)
470...862 MHz	5,6 dB (±0,5 dB)
862...1006 MHz	5,8 dB (±0,5 dB)
1006...1300 MHz	6,2 dB (±0,5 dB)
Isolation	
5...65 MHz	>28,0 dB
65...470 MHz	>28,0 dB

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 04 D

Splitter 1,3 GHz, 4-way

Technical data	
Distribution loss	
Frequency range	5...1300 MHz
5...65 MHz	6,6 dB (±0,5 dB)
65...470 MHz	6,6 dB (±0,5 dB)
470...862 MHz	7,1 dB (±0,5 dB)
862...1006 MHz	7,5 dB (±0,5 dB)
1006...1300 MHz	7,9 dB (±0,5 dB)
Isolation	
5...65 MHz	>30,0 dB
65...470 MHz	>30,0 dB

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters CATV 1,3 GHz

DM 06 D

Splitter 1,3 GHz, 6-way

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Distribution loss	
5...65 MHz	<8,5 dB (±0,5 dB)
65...470 MHz	<8,8 dB (±0,5 dB)
470...862 MHz	<9,4 dB (±0,5 dB)
862...1006 MHz	<9,6 dB (±0,5 dB)
1006...1300 MHz	<10,5 dB (±0,5 dB)
Isolation	
5...65 MHz	>25,0 dB
65...470 MHz	>25,0 dB

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

DM 08 D

Splitter 1,3 GHz, 8-way

KLASSE A CLASS

Technical data	
Frequency range	5...1300 MHz
Distribution loss	
5...65 MHz	<10,0 dB (±0,5 dB)
65...470 MHz	<10,0 dB (±0,5 dB)
470...862 MHz	<10,5 dB (±0,5 dB)
862...1006 MHz	<11,0 dB (±0,5 dB)
1006...1300 MHz	<11,5 dB (±0,8 dB)
Isolation	
5...65 MHz	>25,0 dB
65...470 MHz	>25,0 dB

characteristics

- Frequency range from 5…1300 MHz (DOCSIS 3.1 capable)
- Screening factor according to Class A (+10 dB)
- High intermodulation suppression
- Very high port isolation and return loss
- High durability and perfect electrical values thanks to the white bronze plating
- Approved by Vodafone Kabel Deutschland

Splitters SAT-ZF

DM 50

SAT splitter

KLASSE A CLASS

DM 90

SAT splitter

KLASSE A CLASS

Technical data		
Frequency range	5...862/950...2400 MHz (TERR/SAT)	5...862/950...2400 MHz (TERR/SAT)
Through loss	1,0...1,8/1,1...2,7 dB (TERR/SAT)	1,5...3,0/2...3,5 dB (TERR/SAT)
TAP loss	13...13,5/12,2...13,7 dB (TERR/SAT)	13...14/14...12 dB (TERR/SAT)
Isolation	35/35 dB (trunk, TERR/SAT)	35/38 dB (trunk, TERR/SAT)
Return loss	10 dB (min., SAT)	10 dB (min., SAT)
Connectors		
F-socket	20 pcs.	36 pcs.
General data		
Screening factor	Class A, EN 50083-2	Class A, EN 50083-2
DC Bypass IN/OUT 1A/30V	Yes	Yes
Dimensions (width x height x depth)	140x140x27 mm	210 x 210 x 27 mm

Splitters SAT

DM 12 A
SAT splitter, 2-way

KLASSE A CLASS

DM 13 A
SAT splitter, 3-way

KLASSE A CLASS

DM 14 A
SAT splitter, 4-way

KLASSE A CLASS

DM 16 B
SAT splitter, 6-way

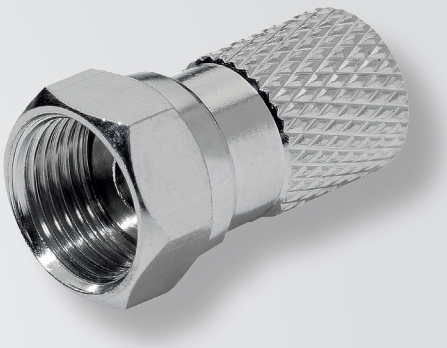
KLASSE A CLASS

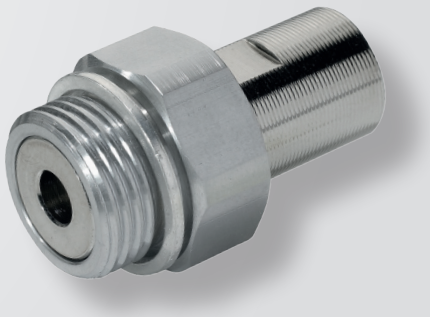
Technical data				
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz	5...2400 MHz
Distribution loss	4...6 dB	7...10,5 dB	8...11,5 dB	11...17 dB
Isolation	>20 dB	>20 dB	>20 dB	>20 dB
Return loss	18 dB	18 dB	18 dB	18 dB
Connectors				
F-socket	3 pcs. (1x input, 2x output)	4 pcs. (1x input, 3x output)	5 pcs. (1x input, 4x output)	7 pcs. (1x input, 6x output)
General data				
Screening factor	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)	>85 dB (class A)
DC Bypass IN/OUT 1A/30V	Yes	Yes	Yes	Yes
Dimensions (width x height x depth)	55x55x28 mm	74x55x18 mm	74x55x18 mm	92x35x28 mm

WISI Electrical accessories:

Always the perfect connection

Electrical accessories





WISI cables, plugs and sockets are perfectly matched, so that they achieve a consistently high screening facor. They are quick and easy to mount, have excellent performance and are manufactured in the proven and well known WISI quality.

The WISI connectors are characterized by a very high processing quality what is not only beneficial to the signal quality and a low power loss, but also to the simple and uncomplicated installation. For this WISI also provides the necessary tools. WISI also offers adapter so there is hardly a plug-in coaxial environment which can not be established with WISI connectors. With the WISI system you have the highest flexibility for your connections.

WISI Electrical accessories at aglance:

- Suitable for all cable types
- High quality
- Easy to use

DC blocker

DL 05

DC blocker

KLASSE A CLASS

Technical data	
Frequency range	4...2500 MHz
Through loss	<0,8 dB
Connectors	
F-socket	2 pcs.
F-plug	0 pcs.
General data	
Feeding voltage	65 V AC
Test voltage	2120 V DC
Dimensions (width x height x depth)	SW11x33 mm

DC05 is a component for separating the circuit in satellite reception systems.

DL 20 A

Galvanic separating element

Technical data	
Frequency range	5...1000 MHz
Through loss	<0,5 dB
Connectors	
F-socket	2 pcs.
General data	
Test voltage	2120 V DC
Dimensions (width x height x depth)	60 x 20 x 48 mm

DL 20 A galvanic isolation. For galvanic isolation of 2 transmission systems in BK-systems.

F-plug adapter

DV 50

F-plug

DV 54

F-plug

DV 55

F-plug

Technical data			
Type	F-plug	F-plug	F-plug
Type of mounting	Screwed	Screwed	Screwed
construction style	straight	straight	straight
Material	nickel plated brass	nickel plated brass	nickel plated brass
suitable cable type	MK 76	MK 15	MK 91, MK 96
Dimensions (width x height x depth)	SW 11 x 22 mm	SW 12 x 30 mm	SW 11 x 21 mm
DC seperation	No	No	No

F-Crimp-plug connector

DV 85
F-plug, crimpable

DV 90
F-Quick-plug, crimpable

DV 95
F-Quick-plug, crimpable

DV 97
F-Quick-ellbow connector, crimp

Technical data				
Type	F-plug	F-plug	F-plug	F-plug
Type of mounting	Crimp	Crimp	Crimp	Crimp
construction style	straight	straight	straight	angled
Material	nickel plated brass	nickel plated brass	nickel plated brass	nickel plated brass
suitable cable type	MK 91, MK 96	MK 76	MK 91, MK 96	MK 91, MK 96
Dimensions (width x height x depth)	SW 11 x 20 mm	Ø 11,80 x 25 mm	Ø 11,80 x 25 mm	34,5 x 12 x 22,9 mm
DC seperation	No	No	No	No

F-Compression connectors

DV 10 N

F-Compression-plug with NiTin-coating

DV 10

F-Compress-plug

Technical data		
Type	F-plug	F-plug
Type of mounting	compress	compress
construction style	straight	straight
Material	brass with NiTin-coating	nickel plated brass
suitable cable type	MK 76	MK 76
Dimensions (width x height x depth)	SW 11 x 21,30 mm	SW 11 x 21,30 mm
DC seperation	No	No

F-Compression connectors

DV 14 N

F-Compression-plug with NiTin-coating

Technical data	
Type	F-plug
Type of mounting	compress
construction style	straight
Material	brass with NiTin-coating
suitable cable type	MK 15
Dimensions (width x height x depth)	- mm
DC seperation	No

The DV 14 N is an F-technology compression plug with a NiTin-coat for the cable type MK 15.

F-Compression connectors

DV 15 N

F-Compression-plug with NiTin-coating

DV 15

F-Compress-plug

Technical data		
Type	F-plug	F-plug
Type of mounting	compress	compress
construction style	straight	straight
Material	brass with NiTin-coating	nickel plated brass
suitable cable type	MK 91, MK 96	MK 91, MK 96
Dimensions (width x height x depth)	SW11x21,30 mm	SW11x21,30 mm
DC seperation	No	No

IEC-plug

DV 07 0397

Coaxial socket

Technical data	
Type	IEC socket
Type of mounting	Plugged
construction style	straight
Material	nickel plated brass
suitable cable type	MK 76, MK 91, MK 96
Dimensions (width x height x depth)	Ø 14 x 38 mm
DC seperation	No

Terminating resistor

DV 75

Terminating resistor 75 Ω

Technical data	
Type	IEC-plug, terminating resistor 75 Ω
Type of mounting	Plugged
construction style	straight
Material	nickel plated brass
Dimensions (width x height x depth)	Ø11 x 25 mm
DC seperation	No

The DV 75 is an IEC-75 Ohm terminating resistor. With this service the distribution system will be completed.

Adapter

DV 49 A

Adapter plug

Technical data	
Type	F-adapter, F-Fix on F-Quick
Type of mounting	Screwed/plugged
construction style	straight
Material	nickel plated brass
Dimensions (width x height x depth)	SW11x22,30 mm
DC seperation	No

The DV 49 A is an adapter plug of F-Fix and F-Quick to the screw /plug for the interconnection of multiswitches.

Adapter

DV 52

F-adapter

DV 53

F-ellbow adapter

Technical data		
Type	Transition connector IEC Male to F socket	F-angular adapter F-plug on F-connector
Type of mounting	Screwed/plugged	Screwed
construction style	straight	angled
Material	nickel plated brass	nickel plated brass
Dimensions (width x height x depth)	11x25 mm	23,8x11x19,2 mm
DC seperation	No	No

Connector

DV 45

F-splice

DV 46 HQ

High quality plug adapter

DV 46

F-splice

Technical data			
Type	F-splice	F-splice	F-splice
Type of mounting	Screwed	Screwed	Screwed
construction style	angled 180°	straight	straight
Material	nickel plated brass	nickel plated brass	nickel plated brass
Dimensions (width x height x depth)	24,5x21x9,6 mm	11x26 mm	11x20,8 mm
DC seperation	No	No	No

House connection points

XU 60

House transfer point

XU 60 0500

handover box, KDG version

Technical data		
Frequency range	5...862 MHz	5...862 MHz
Return loss	>18 dB (starting 47 MHz >18 dB -1,5 dB/oct. min. 14 dB)	>18 dB (starting 47 MHz >18 dB -1,5 dB/oct. min. 14 dB)
Through loss	<1,5 dB	<1,5 dB
Test point	-2 dB	-2 dB
General data		
Screening factor	Class A, EN 50083-2	Class A, EN 50083-2
Dimensions (width x height x depth)	109x107,5x52 mm	109x107,5x52 mm
Protection class	IP54	IP54

House connection points

XU 64

Measuring module for XU 60

Technical data	
Frequency range	5...862 MHz (Measuring module for measuring into the underground cable)

characteristics

- Approved by Unitymedia

Cable end plug

ZZ 11

Shrink sleeve set

Technical data	
Type	Shrink sleeve set for splitter / taps
construction style	straight
Material	plastic
Dimensions (width x height x depth)	170 mm (length)
DC seperation	No

Grounding accessories

NB 02 F

Equipotential bonding block, duplex

NB 02

Equipotential bonding bar

NB 04 F

Equipotential bonding block, quadruple

Technical data			
Material	nickel plated brass	Galvanized steel	nickel plated brass
Hole distance	74 mm	170 mm	137 mm
Hole diameter	4 mm	5 mm	4 mm
Dimensions (width x height x depth)	84x24,5x27 mm	181x17x20 mm	148x25x27 mm

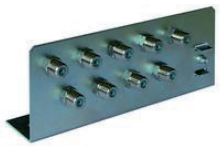
Grounding accessories

NB 05

Grounding plate, 5-times

NB 09

Grounding angle, 9-times



Technical data		
Material	Steel	Steel
Hole distance	59.5 mm	125.9 mm
Hole diameter	6 mm	6 mm
Dimensions (width x height x depth)	79,50x60x53 mm	150,3x60x53 mm

Mounting case

DX 01

Mounting case

Technical data	
Dimensions (width x height x depth)	442 x 357 x 117 mm
Dimensions inside	378x313x71 mm
Material	Plastic (ABS)
Weight	2,1 kg
Color	grey/blue

characteristics

- Safe transport of assembly materials and tools
- Robust thanks to shock and impact resistant ABC plastic.
- In the cover integrated carrying handle
- Quick stackable and separable by clicking System
- variably equipped
- Ideal for compression set DX 02 and crimp set DX 03.
- Compatible with the Sortimo L-BOXX system

DX 02

Compression set for usage in the mounting case DX 01

Technical data	
Content	1x Compression tool DZ 15 2130, 1x Coaxial stripper MZ 01, 1x Tightening aid DZ 01, 50x F compression plug DV 15, 50x F plug DV 55
Dimensions (width x height x depth)	260 x 155 x 63 mm
Material	Plastic (ABS)
Weight	0,4 kg
Color	gray/transparent

characteristics

- pre-fabricated compression set
- Box made of shock and impact-resistant ABS plastic
- robust closure
- In the cover integrated carrying handle
- Ideal assembly in the mounting case DX 01 in combination with the crimp set DX 03

DX 03

Crimp set for the usage in the mounting case DX 01

Technical data	
Content	1x Crimping tool DZ 85, 1x Coaxial stripper MZ 01, 1x Tightening aid DZ 01, 50x F crimp plug DV 85, 50x F plug DV 55
Dimensions (width x height x depth)	260 x 155 x 63 mm
Material	Plastic (ABS)
Weight	kg
Color	gray/transparent

characteristics

- Pre-configured crimp set.
- Box made of shock and impact-resistant ABS plastic
- robust closure
- In the cover integrated carrying handle
- Ideal assembly in the mounting case DX 01 in combination with the compression set DX 02.

Tools

DZ 01

Tightening aid

Technical data	
Material	Aluminium, plastic

DZ 01 is a mounting aid to correctly screw on F-plugs during the installation. Because of its small outer diameter, the slot for the cable passage works best when a ring or open-ended wrench are not suitable.

Tools

DZ 14

Compression tool for F-connector

DZ 15 2130

Compression tool for F-connector

Technical data		
Type of mounting	compress	compress

Tools

DZ 85

Crimping tool

Technical data	
Type of mounting	Crimp
Dimensions (width x height x depth)	70x122,5x23 mm

DZ 85 is a tool for processing the crimp plugs DV 85, DV 95... The plug can be pressed with DZ 85 after the cable is set down and the plug is pushed onto the cable.

MZ 01

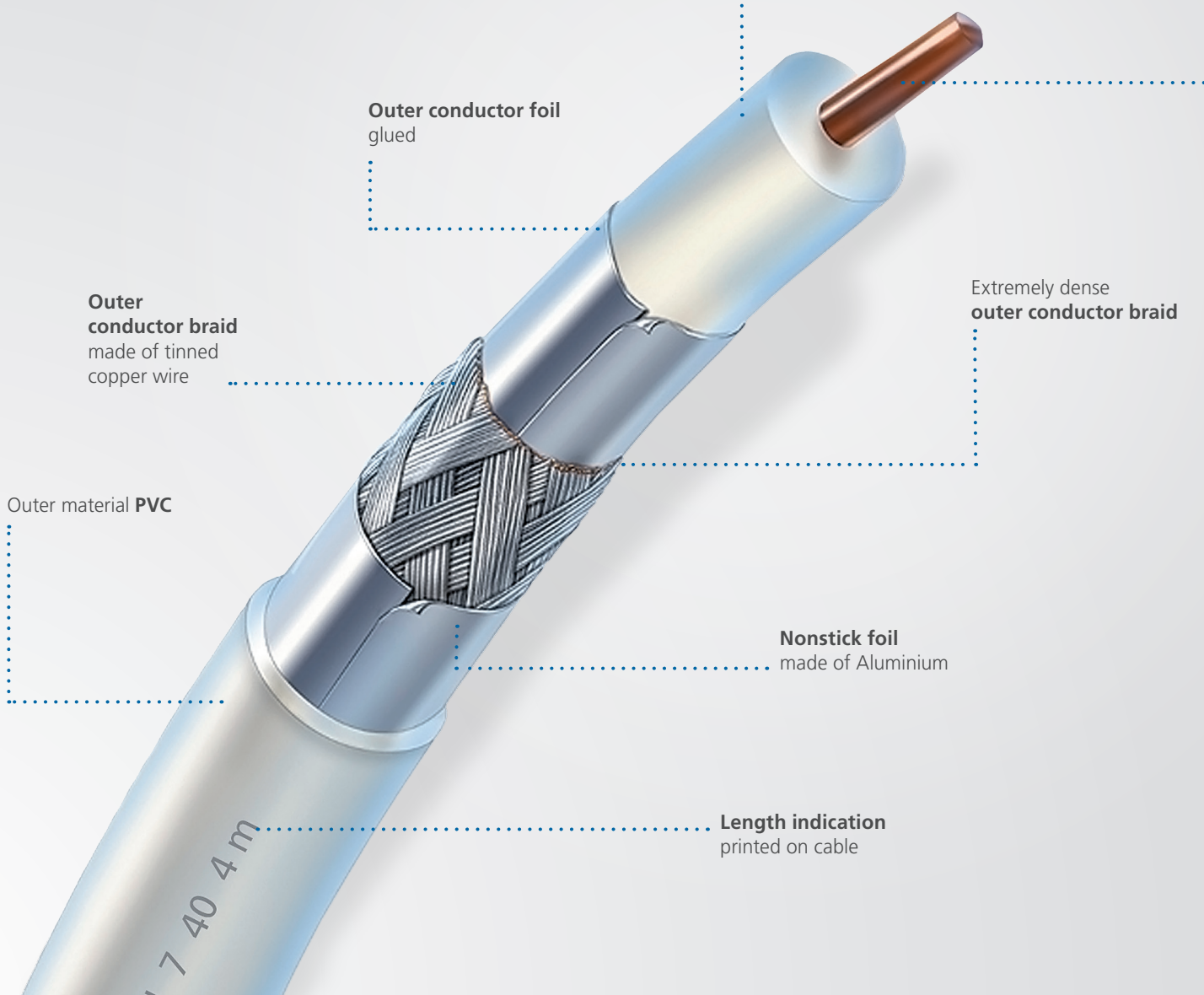
COAX stripper

Technical data	
suitable cable type	MK 91, 96 (adjustable for other cable dimensions)

MZ 01 is a stripping tool for a fast, clean and standardised discontinuation of coaxial cables. The inner and outer conductors are cleared in one operation by 2 adjustable blades. Adaptable to different types of coaxial cables.

WISI Coaxial cables:

Perfect for each installation



Coaxial cables

Inner conductor
made of blank
copper wire

Communication determines our everyday life, inform us, imparts knowledge and experiences. They help us understanding and solving problems.

WISI make every effort to provide you with the necessary tools for your communication. With fully committed, highly motivated employees and the latest technology for the communication of today and tomorrow.

WISI cables, plugs and sockets are perfectly matched, so that they achieve a consistently high screening facor. They are quick and easy to mount, have excellent performance and are manufactured in the proven and well known WISI quality.

WISI Coaxial cables at a glance:

- Better DC resistance by copper inner conductor
- Aging-resistant foamed dielectric
- Glued outer conductor foil, prevents slipping during assembly
- Uniform coverage of the cable through dense outer shield braid

Coaxial cables

MK 15 0500

Coaxial cable for wet rooms, Ø 10,3 mm, Length 500 m, PE black, on wood drum

KLASSE A CLASS

Technical data	
General data	
Installation	wet room
Screening factor	Class A++, according to EN 50117-2-3
Color	black
Length	500 m
Reaction to fire	Fca, according to BauPVO (EN 50117)
Construction	
Screening construction	3-way
Inner conductor	Ø 1,63 mm (Cu)
Insulation	Ø 7,2 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 7,3 mm (Al-Pet bonded)
Outer conductor 2. Braid	65 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 10,3 mm (PE black)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,84
DC resistance inner conductor	8,5 Ω/km
DC resistance outer conductor	7,5 Ω/km
Rated current	16 A
Attenuation 5 MHz	0,9 dB (100 m)
Attenuation 50 MHz	2,8 dB (100 m)
Attentuation 100 MHz	3,9 dB (100 m)
Attentuation 400 MHz	8,2 dB (100 m)
Attentuation 860 MHz	12,3 dB (100 m)
Attenuation 1000 MHz	13,1 dB (100 m)

Coaxial cables

MK 22

Coaxial cable, underground cable, Ø 12.5 mm

Coax cable for underground installation with PE-sheath.

Technical data	
General data	
Installation	BK/CATV networks/underground cable
Screening factor	Class A++, according to EN 50117-2-3
Color	black
Length	500 m (on demand 1000 m)
Construction	
Inner conductor	Ø2,20 mm (Cu bare)
Insulation	Ø8,80 mm (PE/air)
Sheath	Ø12,5 mm (PE black)
Mechanical Data	
Max. permissible force	350 N
Bending radius	min. 190 mm
Application temperature range	-20...+50 °C
Total weight	180 kg/km
Electrical data	
Impedance	75 Ω
Velocity ratio	0,89 v/c
capacity	50 pF/m
DC resistance inner conductor	5,6 Ω/km
DC resistance outer conductor	3,0 Ω/km
Loop resistance	8,6 Ω/km
Attenuation 5 MHz	0,6 dB
Attenuation 50 MHz	1,8 dB
Attentuation 100 MHz	2,6 dB
Attentuation 200 MHz	3,9 dB
Attentuation 800 MHz	8,6 dB
Attenuation 862 MHz	9,0 dB
Attenuation 950 MHz	9,7 dB
Attenuation 1750 MHz	14,4 dB
Attentuation 2400 MHz	17,7 dB
Attentuation 3000 MHz	20,6 dB
Return loss 5...470 MHz	28 dB
Return loss 470...1000 MHz	26 dB

Technical data	
Coupling resistance 5...30 MHz	<0,1 mΩ/m
Screening efficiency 30...1000 MHz	>120 dB
Screening efficiency 1000...2000 MHz	>110 dB
Screeining efficiency 2000...3000 MHz	>100 dB

characteristics

- High screening factor
- Better DC resistance due to copper inner conductors

Scope of delivery

- Coaxial cable 500 m

Coaxial cables

MK 33

Coaxial cable, Ø 17 mm, underground cable

Coax cable for underground installation with PE-sheath.

Technical data	
General data	
Installation	BK/CATV networks/underground cable
Screening factor	Class A++, according to EN 50117-2-3
Color	black
Length	500 m (on demand 1000 m)
Construction	
Inner conductor	Ø3,27 mm (Cu bare)
Insulation	Ø13,50 mm (PE/air)
Sheath	Ø17,0 mm (PE black)
Mechanical Data	
Max. permissible force	550 N
Bending radius	min. 280 mm
Application temperature range	-20...+50 °C
Total weight	322 kg/km
Electrical data	
Impedance	75 Ω
Velocity ratio	0,89 v/c
capacity	50 pF/m
DC resistance inner conductor	2,5 Ω/km
DC resistance outer conductor	2,0 Ω/km
Loop resistance	4,5 Ω/km
Attenuation 5 MHz	0,4 dB (100 m)
Attenuation 50 MHz	1,2 dB (100 m)
Attentuation 100 MHz	1,7 dB (100 m)
Attentuation 200 MHz	2,4 dB (100 m)
Attentuation 800 MHz	5,5 dB (100 m)
Attenuation 862 MHz	5,9 dB (100 m)
Attenuation 950 MHz	6,1 dB (100 m)
Attenuation 1750 MHz	9,2 dB (100 m)
Attentuation 2400 MHz	11,5 dB (100 m)
Attentuation 3000 MHz	13,4 dB (100 m)
Return loss 5...470 MHz	28 dB
Return loss 470...1000 MHz	26 dB

Technical data	
Coupling resistance 5...30 MHz	<0,1 mΩ/m
Screening efficiency 30...1000 MHz	>120 dB
Screening efficiency 1000...2000 MHz	>110 dB
Screeining efficiency 2000...3000 MHz	>100 dB

characteristics

- High screening factor
- Better DC resistance due to copper inner conductors

Scope of delivery

- Coaxial cable 500 m

Coaxial cables

MK 76 A 0100

Coaxial cable 115 dB, Ø 5 mm, Length 100 m,
PVC white, Cable ring in plastic foil

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A+, according to EN 50117-2-4
Color	White
Length	100 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 0,80 mm
Insulation	Ø 3,55 mm
Outer conductor 1. Foil	Ø 3,65 mm (Cu)
Outer conductor 2. Braid	58 % (Foam PE, gas injected)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 5,0 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	35,5 Ω/km
DC resistance outer conductor	16 Ω/km
Rated current	5 A
Attenuation 5 MHz	1,9 dB (100 m)
Attenuation 50 MHz	5,7 dB (100 m)
Attentuation 100 MHz	8,1 dB (100 m)
Attentuation 400 MHz	16,5 dB (100 m)
Attentuation 860 MHz	24,7 dB (100 m)
Attenuation 1000 MHz	26,7 dB (100 m)

Coaxial cables

MK 76 A 0101

Coaxial cable 115 dB, Ø 5 mm, Length 100 m,
PVC white, on plastic drum

KLASSE
CLASS A

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A+, according to EN 50117-2-4
Color	White
Length	100 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 0,80 mm
Insulation	Ø 3,55 mm
Outer conductor 1. Foil	Ø 3,65 mm (Cu)
Outer conductor 2. Braid	58 % (Foam PE, gas injected)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 5,0 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	35,5 Ω/km
DC resistance outer conductor	16 Ω/km
Rated current	5 A
Attenuation 5 MHz	1,9 dB (100 m)
Attenuation 50 MHz	5,7 dB (100 m)
Attentuation 100 MHz	8,1 dB (100 m)
Attentuation 400 MHz	16,5 dB (100 m)
Attentuation 860 MHz	24,7 dB (100 m)
Attenuation 1000 MHz	26,7 dB (100 m)

Coaxial cables

MK 76 A 0500

Coaxial cable 115 dB, Ø 5 mm, Length 500 m,
PVC white, on plastic drum

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A+, according to EN 50117-2-4
Color	White
Length	500 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 0,80 mm
Insulation	Ø 3,55 mm
Outer conductor 1. Foil	Ø 3,65 mm (Cu)
Outer conductor 2. Braid	58 % (Foam PE, gas injected)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 5,0 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	35,5 Ω/km
DC resistance outer conductor	16 Ω/km
Rated current	5 A
Attenuation 5 MHz	1,9 dB (100 m)
Attenuation 50 MHz	5,7 dB (100 m)
Attentuation 100 MHz	8,1 dB (100 m)
Attentuation 400 MHz	16,5 dB (100 m)
Attentuation 860 MHz	24,7 dB (100 m)
Attenuation 1000 MHz	26,7 dB (100 m)

Coaxial cables

MK 91 0100

Coaxial cable 110 dB, Ø 6,4 mm, Length 100 m, PVC white, Cable ring in plastic foil

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A, according to EN 50117-2-4
Color	White
Length	100 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	≥38 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 6,5 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	22,5 Ω/km
DC resistance outer conductor	18 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,42 dB (100 m)
Attenuation 50 MHz	4,15 dB (100 m)
Attentuation 100 MHz	5,98 dB (100 m)
Attentuation 400 MHz	12,20 dB (100 m)
Attentuation 860 MHz	18,22 dB (100 m)
Attenuation 1000 MHz	19,80 dB (100 m)

Coaxial cables

MK 91 0250

Coaxial cable 110 dB, Ø 6,4 mm, Length 250 m, PVC white, Cable ring in plastic

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A, according to EN 50117-2-4
Color	White
Length	250 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	≥38 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 6,5 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	22,5 Ω/km
DC resistance outer conductor	18 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,42 dB (100 m)
Attenuation 50 MHz	4,15 dB (100 m)
Attentuation 100 MHz	5,98 dB (100 m)
Attentuation 400 MHz	12,20 dB (100 m)
Attentuation 860 MHz	18,22 dB (100 m)
Attenuation 1000 MHz	19,80 dB (100 m)

Coaxial cables

MK 91 0500

Coaxial cable 110 dB, Ø 6,4 mm, Length 500 m, PVC white, on plastic drum

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A, according to EN 50117-2-4
Color	White
Length	500 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	≥38 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 6,5 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	22,5 Ω/km
DC resistance outer conductor	18 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,42 dB (100 m)
Attenuation 50 MHz	4,15 dB (100 m)
Attentuation 100 MHz	5,98 dB (100 m)
Attentuation 400 MHz	12,20 dB (100 m)
Attentuation 860 MHz	18,22 dB (100 m)
Attenuation 1000 MHz	19,80 dB (100 m)

Coaxial cables

MK 91 0252

Coaxial cable 110 dB, Ø 6,4mm, Length 250 m,
PVC white, in COAXBox dispenser carton

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A, according to EN 50083-2
Color	White
Length	250 m
Reaction to fire	
Construction	
Screening construction	3-way
Inner conductor	Ø1,02 mm (Cu)
Insulation	Ø4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	≥38 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø6,4 mm (PVC, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,85
DC resistance inner conductor	22,5 Ω/km
DC resistance outer conductor	18 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,42 dB (100 m)
Attenuation 50 MHz	4,15 dB (100 m)
Attentuation 100 MHz	5,98 dB (100 m)
Attentuation 400 MHz	12,20 dB (100 m)
Attentuation 860 MHz	18,22 dB (100 m)
Attenuation 1000 MHz	19,80 dB (100 m)

Coaxial cables

MK 96 AL 252

Coaxial cable halogenfree 120 dB, Ø 6,8 mm, Length 250 m, PE-LSZH white, COAXBox dispenser carton

KLASSE A CLASS

Technical data	
General data	
Installation	Indoor installation
Screening factor	Class A+, according to EN 50117-2-4
Color	White
Length	250 m
Reaction to fire	Dca, s1, d2, a1, according to BauPVO (EN 50575)
Construction	
Screening construction	3-way
Inner conductor	Ø 1,02 mm (Cu)
Insulation	Ø 4,7 mm (Foam PE, gas injected)
Outer conductor 1. Foil	Ø 4,85 mm (Al-Pet bonded)
Outer conductor 2. Braid	63 % (CuSn)
Outer conductor 3. Foil	Aluminium
Sheath	Ø 6,8 mm (PE-LSZH, white)
Electrical data	
Impedance	75 Ω
Velocity ratio	0,84
DC resistance inner conductor	21,2 Ω/km
DC resistance outer conductor	11,7 Ω/km
Rated current	8 A
Attenuation 5 MHz	1,3 dB (100 m)
Attenuation 50 MHz	4,1 dB (100 m)
Attentuation 100 MHz	5,9 dB (100 m)
Attentuation 400 MHz	12,0 dB (100 m)
Attentuation 860 MHz	17,9 dB (100 m)
Attenuation 1000 MHz	19,4 dB (100 m)

Connection cable

BK 76 0035

Patch cable, 35 cm, 75 Ohm

BK 96 0030

Patch cable, 30 cm, 75 Ohm

BK 76 0045

Patch cable, 45 cm, 75 Ohm

Technical data			
Connectors			
F-Quick-plug	2 pcs. (straight, compress)	2 pcs. (straight, compress)	2 pcs. (straight, compress)
General data			
Length	0.35 m	0.3 m	0.45 m
Outer jacket material	PVC (RoHS compliant)	PVC (RoHS compliant)	PVC (RoHS compliant)

Connection cable

DS 26 0301

DATA-connection cable, F-Quick + WICLIC-angle plug, 3 m

KLASSE A CLASS

DS 26 0501

DATA-connection cable, F-Quick + WICLIC-angle plug, 5 m

KLASSE A CLASS

DS 26 0901

DATA-connection cable, F-Quick + WICLIC-angle plug, 9 m

KLASSE A CLASS

Technical data			
Mechanical Data			
Length	3 m	5 m	9 m
Outer jacket material	PVC RoHS compliant white	PVC RoHS compliant white	PVC RoHS compliant white
Outer jacket diameter	Ø 5,00 mm	Ø 5,0 mm	Ø5,0 mm
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø0,8 mm	Ø 0,8 mm	Ø0,8 mm
Dielectric	Zell-PE, physics. foamed	Zell-PE, physics. foamed	Zell-PE, physics. foamed
Dielectricum diameter	Ø3,55 mm	Ø 3,55 mm	Ø3,55 mm
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	CuSn	CuSn	CuSn
F-quick-male outer conductor	nickel plated brass	nickel plated brass	nickel plated brass
F-quick-male inner conductor		Brass, (Plating gold)	Brass, (Plating gold)
Wiclic-Quick outer conductor	nickel plated brass	nickel plated brass	nickel plated brass
Wiclic-inner conductor			
Electrical data			
Frequency range	5...1000 MHz	5...1000 MHz	5...1000 MHz
Through loss	<0,31 dB	<0,31 dB	<0,31 dB
Return loss	>29 ... >20 dB (5...1006 MHz)	>29 ... >20 dB (5...1006 MHz)	>29... >20 dB (5...1006 MHz)
Coupling resistance 5...30 MHz	<5 mΩ/m	5 mΩ/m	5 mΩ/m
Screen class 30 ... 1000 MHz	85 dB	85 dB	85 dB
Screening factor	Class A, according to EN 50083-2	Class A, according to EN 50083-2	Class A, according to EN 50083-2

Connection cable

DS 32 U 0300

connecting cable IEC male / Wiclic angled 3 m

KLASSE A CLASS

DS 32 U 0600

connecting cable IEC male / Wiclic angled 6 m

KLASSE A CLASS

DS 32 U 0900

connecting cable IEC male / Wiclic angled 9 m

KLASSE A CLASS

Technical data			
Mechanical Data			
Length	3,0 m	6,0 m	9,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS32U 0300 105dB WISI YYY,WW)	(DS32U 0600 105dB WISI YYY,WW)	(DS32U 0900 105dB WISI YYY,WW)
IEC connector	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N
Wiclic angled			
Wiclic outer conductor 1	Contact: BECU / white bronze plated	Contact: BECU / white bronze plated	Contact: BECU / white bronze plated
Wiclic outer conductor 2	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Wiclic inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)

Connection cable

DS 37 U 0150

connecting cable IEC-female / IEC-male, 1,5 m

KLASSE A CLASS

DS 37 U 0250

connecting cable IEC-female / IEC-male, 2,5 m

KLASSE A CLASS

DS 37 U 0300

connecting cable IEC-female / IEC-male, 3 m

KLASSE A CLASS

Technical data			
Mechanical Data			
Length	1,5 m	2,5 m	3,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS37U 0150 105dB WISI YYY,WW)	(DS37U 0250 105dB WISI YYY,WW)	(DS37U 0300 105dB WISI YYY,WW)
IEC connector	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Electrical data			
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz

Connection cable

DS 37 U 0500

connecting cable IEC-female / IEC-male, 5 m

KLASSE A CLASS

DS 37 U 0750

connecting cable IEC-female / IEC-male, 7,5 m

KLASSE A CLASS

DS 37 U 1000

connecting cable IEC-female / IEC-male, 10 m

KLASSE A CLASS

Technical data			
Mechanical Data			
Length	5,0 m	7,5 m	10,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS37U 0500 105dB WISI YYY,WW)	(DS37U 0750 105dB WISI YYY,WW)	(DS37U 1000 105dB WISI YYY,WW)
IEC connector	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Electrical data			
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz

Connection cable

DS 38 U 0150

Fly lead F-Quick / IEC-female, 1,5 m

KLASSE A CLASS

DS 38 U 0250

Fly lead F-Quick / IEC-female, 2,5 m

KLASSE A CLASS

DS 38 U 0300

Fly lead F-Quick / IEC-female, 3 m

KLASSE A CLASS

DS 38 U 0500

Fly lead F-Quick / IEC-female, 5 m

KLASSE A CLASS

Technical data				
Mechanical Data				
Length	1,5 m	2,5 m	3,0 m	5,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction				
Inner conductor material	Cu-core	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet	AL/Pet
Labeling				
Character height	3 mm White	3 mm White	3 mm White	3 mm White
Text	(DS38U 0150 105dB WISI YYY,WW)	(DS38U 0250 105dB WISI YYY,WW)	(DS38U 0300 105dB WISI YYY,WW)	(DS38U 0500 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N	≥40 N	≥40 N
IEC connector	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N	≥40 N

Connection cable

DS 39 U 0150

Fly lead F-Quick / IEC-male, 1,5 m

KLASSE A CLASS

DS 39 U 0250

connecting cable F-Quick / IEC-male, 2,5 m

KLASSE A CLASS

Technical data		
Mechanical Data		
Length	1,5 m	2,5 m
Bend protection	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm
Outer jacket material	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction		
Inner conductor material	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet
Labeling		
Character height	3 mm White	3 mm White
Text	(DS39U 0150 105dB WISI YYY,WW)	(DS39U 0250 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N
IEC connector	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N

Connection cable

DS 39 U 0300

connecting cable F-Quick / IEC-male, 3 m

KLASSE A CLASS

DS 39 U 0500

connecting cable F-Quick / IEC-male, 5 m

KLASSE A CLASS

DS 39 U 1000

connecting cable F-Quick / IEC-male, 10 m

KLASSE A CLASS

Technical data			
Mechanical Data			
Length	3,0 m	5,0 m	10,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS39U 0300 105dB WISI YYY,WW)	(DS39U 0500 105dB WISI YYY,WW)	(DS39U 1000 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N	≥40 N
IEC connector	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N

Connection cable

DS 40 U 0150

Fly lead F-Quick / F-Quick angled, 1,5 m

DS 40 U 0300

Fly lead F-Quick / F-Quick angled, 3 m

DS 40 U 0500

Fly lead F-Quick / F-Quick angled, 5 m

Technical data			
Mechanical Data			
Length	1,5 m	3,0 m	5,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS40U 0150 105dB WISI YYY,WW)	(DS40U 0300 105dB WISI YYY,WW)	(DS40U 0500 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick connector angled	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N	≥40 N
Electrical data			
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz
Insertion loss at 1006 MHz	<0,9 dB	<0,9 dB	<0,9 dB

Connection cable

DS 46 U 0150

connecting cable IEC female / IEC Stecker angled, 1,5 m

KLASSE A CLASS

DS 46 U 0500

connecting cable IEC female / IEC Stecker angled, 5 m

KLASSE A CLASS

Technical data		
Mechanical Data		
Length	1,5 m	5,0 m
Bend protection	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm
Outer jacket material	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction		
Inner conductor material	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet
Labeling		
Character height	3 mm White	3 mm White
Text	(DS46U 0150 105dB WISI YYY,WW)	(DS46U 0500 105dB WISI YYY,WW)
IEC connector	(IEC 61169-2)	(IEC 61169-2)
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)
IEC male angled	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N

Connection cable

DS 47 U 0150

connecting cable IEC male / IEC female angled, 1,5 m

KLASSE A CLASS

Technical data	
Mechanical Data	
Length	1,5 m
Bend protection	Shrink tube
Breaking stress	>130 N Cable / connector
Bending radius	30 mm
Outer jacket material	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)
Cable construction	
Inner conductor material	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)
Dielectric	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet
Labeling	
Character height	3 mm White
Text	(DS47U 0150 105dB WISI YYY,WW)
IEC female angled	(IEC 61169-2)
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)
IEC male	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N
Electrical data	

Connection cable

DS 48 U 0150

Fly lead F-Quick / IEC male angled, 1,5 m

DS 48 U 0300

Fly lead F-Quick / IEC socket angled, 3 m

DS 48 U 0500

Fly lead F-Quick / IEC socket angled, 5 m

Technical data			
Mechanical Data			
Length	1,5 m	3,0 m	5,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction			
Inner conductor material	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet
Labeling			
Character height	3 mm White	3 mm White	3 mm White
Text	(DS48U 0150 105dB WISI YYY,WW)	(DS48U 0300 105dB WISI YYY,WW)	(DS48U 0500 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N	≥40 N
IEC female angled	(IEC 61169-2)	(IEC 61169-2)	(IEC 61169-2)
IEC-female outer conductor	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring	Brass, plating white bronze. Color code: green ring
IEC-female inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	≥40 N	≥40 N	≥40 N

Connection cable

DS 49 U 0150

connecting cable IEC-male / F-Quick angled, 1,5 m

KLASSE A CLASS

DS 49 U 0300

connecting cable IEC-male / F-Quick angled, 3 m

KLASSE A CLASS

Technical data		
Mechanical Data		
Length	1,5 m	3,0 m
Bend protection	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm
Outer jacket material	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction		
Inner conductor material	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet
Labeling		
Character height	3 mm White	3 mm White
Text	(DS49U 0150 105dB WISI YYY,WW)	(DS49U 0300 105dB WISI YYY,WW)
F-quick connector angled	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N
IEC male	(IEC 61169-2)	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)	Brass, (plating white bronze)
Pull off / push on force IEC	N	N

Connection cable

DS 49 U 0500

Connecting cable IEC-male / F-Quick angled, 5 m

KLASSE A CLASS

Technical data	
Mechanical Data	
Length	5,0 m
Bend protection	Shrink tube
Breaking stress	>130 N Cable / connector
Bending radius	30 mm
Outer jacket material	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)
Cable construction	
Inner conductor material	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)
Dielectric	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet
Labeling	
Character height	3 mm White
Text	(DS49U 0500 105dB WISI YYY,WW)
F-quick connector angled	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N
IEC male	(IEC 61169-2)
IEC-male outer conductor	Brass, plating white bronze. Color code: blue ring
IEC-male inner conductor	Brass, (plating white bronze)
Pull off / push on force IEC	N

Connection cable

DS 50 U 0150

Fly lead F-Quick / F-Quick, 1,5 m

DS 50 U 0250

Fly lead F-Quick / F-Quick, 2,5 m

DS 50 U 0300

connecting cable F-Quick/ F-Quick, 3 m

DS 50 U 0500

Fly lead F-Quick / F-Quick, 5 m

Technical data				
Mechanical Data				
Length	1,5 m	2,5 m	3,0 m	5,0 m
Bend protection	Shrink tube	Shrink tube	Shrink tube	Shrink tube
Breaking stress	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector	>130 N Cable / connector
Bending radius	30 mm	30 mm	30 mm	30 mm
Outer jacket material	PVC black	PVC black	PVC black	PVC black
Outer jacket diameter	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)	Ø 5,00 mm (±0,1 mm)
Cable construction				
Inner conductor material	Cu-core	Cu-core	Cu-core	Cu-core
Inner conductor diameter	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)	Ø 0,8 mm (±0,02 mm)
Dielectric	PE	PE	PE	PE
Dielectricum diameter	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)	Ø 3,55 mm (±0,05 mm)
Outer conductor 1	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded	AL/Pet bonded
Outer conductor 2	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)	Braid TCCA 24 x 4 x 0,12 (75% coverage)
Outer conductor 3	AL/Pet	AL/Pet	AL/Pet	AL/Pet
Labeling				
Character height	3 mm White	3 mm White	3 mm White	3 mm White
Text	(DS50U 0150 105dB WISI YYY,WW)	(DS50U 0250 105dB WISI YYY,WW)	(DS50U 0300 105dB WISI YYY,WW)	(DS50U 0500 105dB WISI YYY,WW)
F-quick connector	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)	(IEC 61169-47)
F-quick-male outer conductor	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring	Brass, Plating white bronze. Color code: red ring
F-quick-male inner conductor	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)	Brass, (Plating gold)
Pull off / push on force F-quick	≥40 N	≥40 N	≥40 N	≥40 N
Electrical data				
Frequency range	5...2400 MHz	5...2400 MHz	5...2400 MHz	5...2400 MHz
Insertion loss at 1006 MHz	<0,9 dB	<0,9 dB	<1,8 dB	<3,0 dB
Insertion loss at 2400 MHz	<1,3 dB	<1,3 dB	<2,7 dB	<4,5 dB

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