WeWash

Product catalogue

of the different WeWash Box options to digitalise existing washing machines and dryers in shared laundry rooms
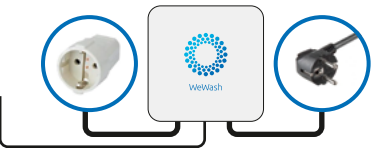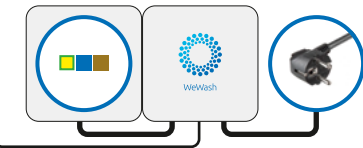
Different WeWash Box options

Laundry appliances with voltage of 230V

With payment system connection

WeWash Box Easy230P
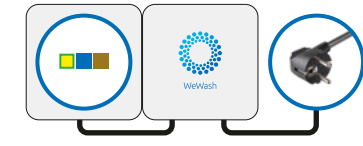
WeWash Box Flex230P

Without payment system connection
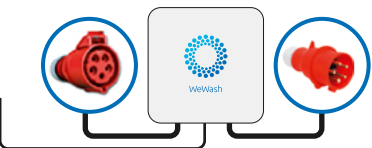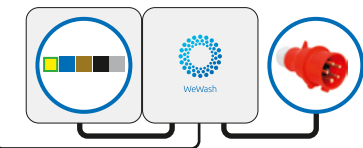
WeWash Box Easy230

WeWash Box Flex230

Laundry appliances with voltage of 400V

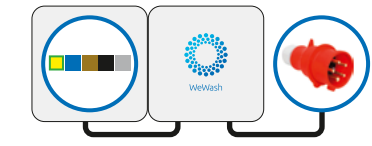### With payment system connection

WeWash Box Easy400P

WeWash Box Flex400P

Without payment system connection

WeWash Box Flex400

Laundry appliances with variable voltage (230V or 400V)

Only suitable for installation by an electrician

WeWash Box Expert

Table of contents

About the WeWash Box

When digitalising washing machines and/or dryers with the **WeWash Box**, it is important to keep in mind, that the first WeWash Box, the so-called **"hub"**, will include an antenna connection as well as the antenna. This is necessary, as the first WeWash Box ensures a stable network connection in the shared laundry room. Depending on the connection situation in each laundry room, a longer antenna cable might be necessary. All following WeWash Boxes in the same laundry room, which are called **"client"**, do not need an antenna connection and antenna.

Advantages of the WeWash Box

- **Any machine can be retrofitted**
  The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance.

- **Easy installation**
  Anyone can fit the pre-assembled WeWash Boxes to their machines.

- **Cheaper than coin-operated appliances**
  You need one WeWash Box per machine. The initial setup costs are cheaper than the coin-operated machines commonly used in the industry.

- **No internet connection required**
  There is no need for Wi-Fi or LAN connection in your laundry room. The WeWash Box works thanks to integrated, redundant network connections in every laundry room.

- **Cashless billing**
  No more emptying coin counters, manual billing, and taking cash to the bank! Each month you will receive a fully tax-compliant statement.

- **Digital payment**
  We take care of the direct billing of the users. Payment is cashless and WeWash accepts various payment methods.

- **Customer support on 365 days**
  Our customer support is available 365 days per year to support you and your users, via e-mail or directly in the „Get Help" section in the WeWash app.

Impressions of WeWash shared laundry rooms

© Jessica Hath

© Manfred Sodia Photography

Laundry appliances with voltage of 230V – with payment system connection

WeWash Box Easy230P

Available in:

Article number:

160205-H1 WeWash Box Easy230P – Hub (with antenna connection)

160206-C1 WeWash Box Easy230P – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Easy230P** is for use with Schuko infrastructure and 230V appliances with payment system connection.

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for 230V appliances with payment system connection
- Connection situation appliance: Schuko plug, 3-pin,16A
- Connection situation building infrastructure: Schuko socket, 3-pin,16A

Important Information:

Size: WeWash Box excl. cable: 180mmx180mmx90mm
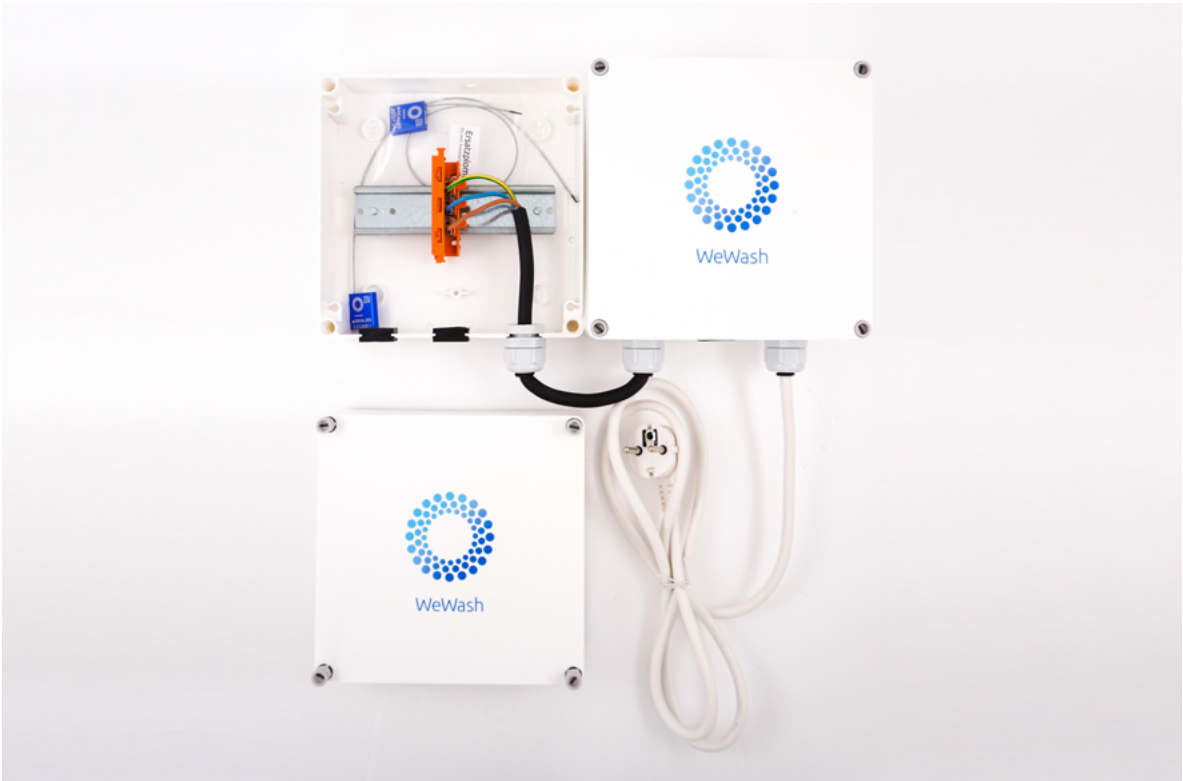
WeWash Box incl. cable: approx. 180mmx280mmx90mm

Current: max. 16A per phase

Product photo:

WeWash Box Flex230P
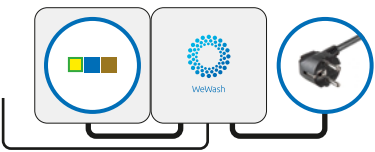
Available in:

Article number:

160211-H1 WeWash Box Flex230P – Hub (with antenna connection)

160212-C1 WeWash Box Flex230P – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Flex230P** is for use with Schuko infrastructure and 230V appliances with payment system connection.

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for 230V appliances with payment system connection
- Connection situation appliance: without plug, 3-pole, 16A
- Connection situation building infrastructure: Schuko socket, 3-pin,16A

Important Information:

Size: WeWash Box excl. cable: 360mmx180mmx90mm

            WeWash Box incl. cable: 360mmx280mmx90mm

Current: max. 16A per phase

Product photos:

Laundry appliances with voltage of 230V – without payment system connection

WeWash Box Easy230

Available in:

Article number:

160203-H1 WeWash Box Easy230 – Hub (with antenna connection)
160204-C1 WeWash Box Easy230 – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Easy230** is for use with Schuko infrastructure and 230V appliances (without payment system connection).

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for 230V appliances without payment system connection
- Connection situation appliance: Schuko plug, 3-pin, 16A
- Connection situation building infrastructure: Schuko socket, 3-pin, 16A

Important Information:

Size: WeWash Box excl. cable: 360mmx180mmx90mm

WeWash Box incl. cable: approx. 360mmx280mmx90mm

Current: max. 16A per phase

Product photos:
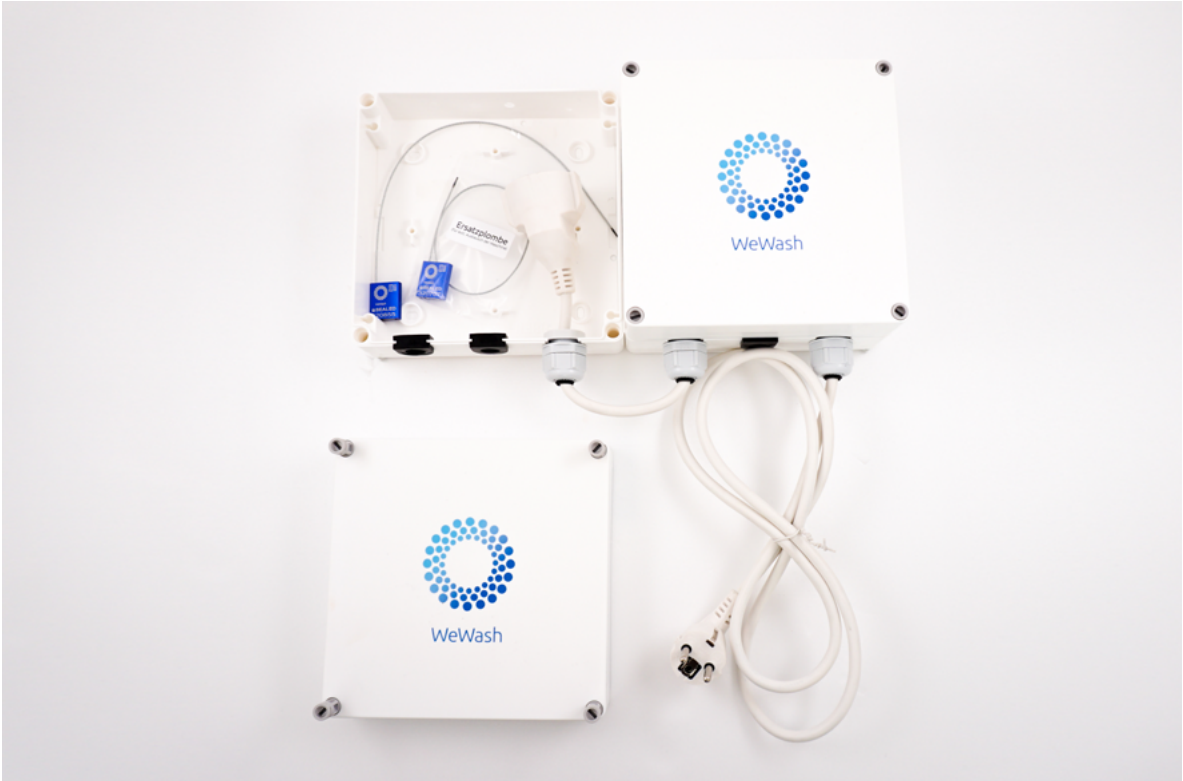
WeWash Box Flex230
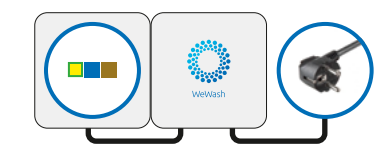
Available in:

Article number:

160209-H1 WeWash Box Flex230 – Hub (with antenna connection)
160210-C1 WeWash Box Flex230 – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Flex230** is for use with Schuko infrastructure and 230V appliances that do not have a plug anymore (without payment system connection).

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for 230V appliances without payment system connection
- Connection situation appliance: without plug, 3-pole, 16A
- Connection situation building infrastructure: Schuko socket, 3-pin, 16A

Important Information:

Size: WeWash Box excl. cable: 360mmx180mmx90mm

          WeWash Box incl. cable: approx. 360mmx280mmx90mm

Current: max. 16A per phase

Product photos:

Laundry appliances with voltage of 400V – with payment system connection

WeWash Box Easy400P
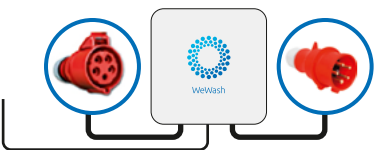
Available in:

Article number:

160207–H1 WeWash Box Easy400P – Hub (with antenna connection)

160208–C1 WeWash Box Easy400P – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Easy400P** is for use with heavy-current infrastructure and heavy-current appliances with payment system connection.

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for heavy-current appliances with payment system connection
- Connection situation appliance: CEE plug, 5-pin, 16A
- Connection situation building infrastructure: CEE socket, 5-pin, 16A

Important Information:

Size: WeWash Box excl. cable: 180mmx180mmx90mm

WeWash Box incl. cable: approx. 180mmx300mmx90mm

Current: max. 16A per phase

Product photo:

WeWash Box Flex400P
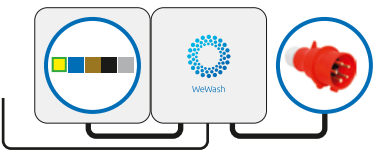
Available in:

Article number:

160215-H1 WeWash Box Flex400P – Hub (with antenna connection)

160216-C1 WeWash Box Flex400P – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Flex400P** is for use with heavy-current infrastructure and heavy-current appliances with payment system connection.

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for heavy-current appliances with payment system connection
- Connection situation machine: without plug, 5-pin, 16A
- Connection situation building infrastructure: CEE socket, 5-pin, 16A

Important Information:

Size: WeWash Box excl. cable: 360mmx180mmx90mm

WeWash Box incl. cable: approx. 360mmx380mmx90mm

Current: max. 16A per phase

This variant can be used for 400V and 230V appliances. For this, please connect either one (230V) or three (400V) power cables (L) next to neutral (N) and earth (PE).

Product photos:

Laundry appliances with voltage of 400V – without payment system connection

WeWash Box Flex400

Available in:

Article number:

160213-H1 WeWash Box Flex400 – Hub (with antenna connection)
160214-C1 WeWash Box Flex400 – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Flex400** is for use with heavy-current infrastructure and heavy-current appliances (without payment system connection).

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for heavy-current appliances without payment system connection
- Connection situation appliance: with and without plug, 5-pole, 16A
- Connection situation building infrastructure: CEE socket, 5-pin, 16A

Important Information:

Size: WeWash Box excl. cable: 360mmx180mmx90mm

          WeWash Box incl. cable: approx. 360mmx330mmx90mm

Current: max. 16A per phase

This variant can be used for 400V and 230V appliances. For this, please connect either one (230V) or three (400V) power cables (L) next to neutral (N) and earth (PE).

Product photos:
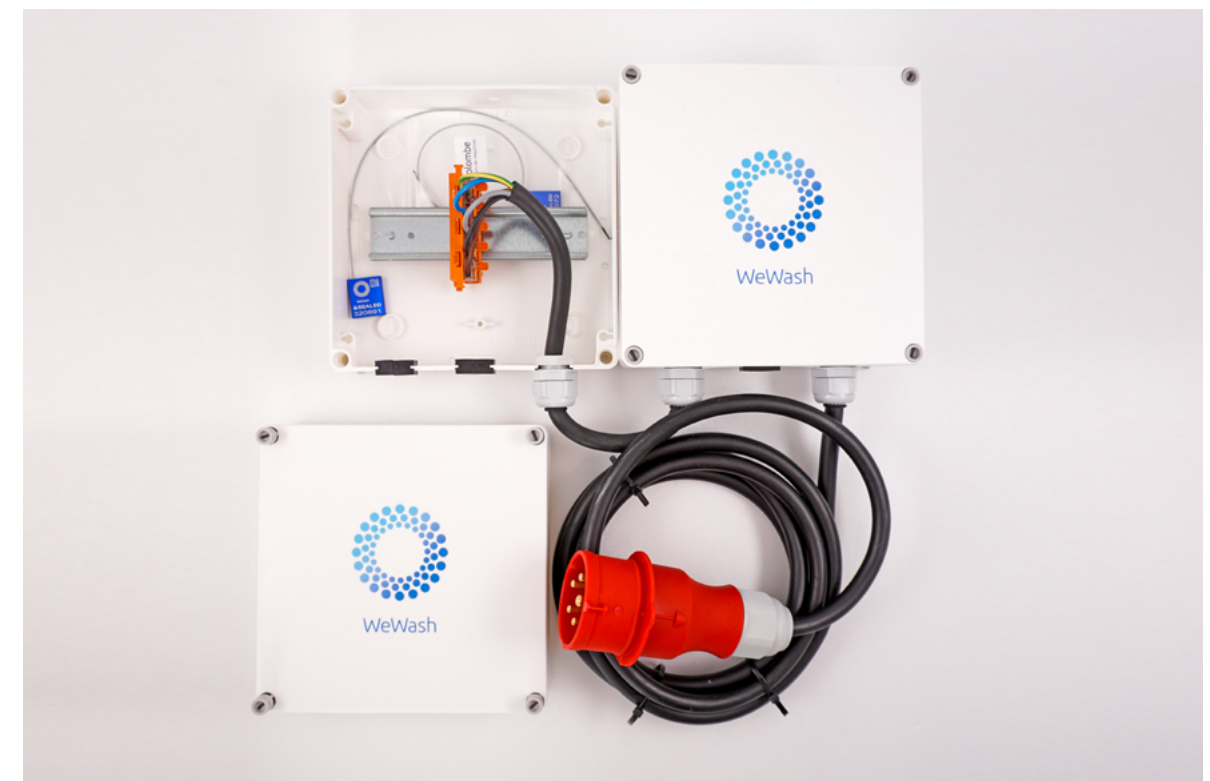
Laundry appliances with variable voltage (230V or 400V) – only suitable for installation by an electrician

WeWash Box Expert

Available in:

Article number:

160201-H1 WeWash Box Expert – Hub (with antenna connection)
160202-C1 WeWash Box Expert – Client

Description:

With the WeWash Box, existing appliances can be digitalised. The WeWash Box is compatible with all commonly used washing machines and dryers, regardless of the make, model, and age of the appliance. In addition, the WeWash Box is also suitable for laundry rooms with a small number of appliances. You don't need Wi-Fi or LAN in the laundry room. Thanks to integrated and redundant network connections, the WeWash Box works in every laundry room. The WeWash Box is VDE* approved and manufactured in Germany.

The **WeWash Box Expert** is for use with 230V or 400V infrastructure and 230V or 400V appliances with or without payment system connection.

* VDE = certified by the German Association of Electrical Technicians

Features:

- Suitable for 230V or 400V appliances with or without payment system connection
- Connection situation appliance: without plug, 3-5-pole, 16A
- Connection situation building infrastructure: fixed wiring, 3-5-pole, 16A

Important Information:

Size: WeWash Box excl. cable: 180mmx180mmx90mm

Current: max. 16A per phase

Product photos:

Technical Data

Technical Data Omnidirectional Antenna

Manufacturer:	JARFT
Modell:	J4GMB-12-OMOA
Antenna type:	LTE Omnidirectional Antenna (2x2 MIMO)
Power gain:	8dBi @ 800 MHz (GSM, LTE 800) 12dBi @ 1800MHz (UMTS, LTE 1800) 12dBi @ 2600MHz (LTE 2600)
Impedance:	50 Ohm
Frequency range:	791-862 MHz (GSM, LTE 800) 1700 - 2100 MHz (UMTS, LTE 1800) 2500 - 2700 (LTE 2600)
VSWR:	max. 1.8
Grounding:	Direct current grounding (DC ground)
Signal aperture angle:	360° horizontal 20° vertical
Connection:	2 x N socket
Application area:	Indoor and outdoor
Operating temperature:	-30°C to 75°C
Dimensions:	24.8 cm (H) x 18cm (W) x 5.5 cm (D)
Weight:	400 g
Colour:	White

Technical Data Antenna Cable

RF 240 LSNH
DOUBLE SCREENED 50 OHM RF COAXIAL CABLE
IN ACCORDANCE TO : IEC 60754-1   IEC 60754-2   IEC 61034-2

RoHS 3 Compliant
CE   Class CPR   E_ca

	CU ø 1,40 mm	PEE ø 3,80 mm	LAS ø 3,90 mm	CS ø 4,40 mm	LSZH ø 6,10 mm
	A	B	C	D	E

MECHANICAL DATA

A	INNER CONDUCTOR	PLAIN COPPER	ø 1,40 mm
B	DIELECTRIC	FOAM POLYETHYLENE	ø 3,80 ± 0,10 mm
C	SHIELD	ALL + PET + ALL ADHESIVE TAPE	h. 15 mm
		- COVERAGE	100%
D	BRAID	TINNED COPPER	112 x 0,12 mm
		- COVERAGE	80%
E	SHEATH	FLAME RETARDANT NON-CORROSIVE THERMOPLASTIC FREE OF HALOGENS	ø 6,10 ± 0,10 mm
	- COLOUR	BLACK - RAL 9004	
	- PRINTING	RF 240 LTA-ZH 50 OHM LOW LOSS CABLE LSZH 1,40 / 3,80 / 6,10	
		MADE IN ITALY CE 56 WEEK/YEAR EN 50575:2014 + A1:2016 Eca	

MINIMUM BENDING RADIUS (mm)
- SINGLE   ø EXTERNAL X 5
- REPEATED   ø EXTERNAL X 10

TEMPERATURE RANGE   -30 °C / +70 °C

CABLE WEIGHT (Kg/Km)
- COPPER   25,9
- PLASTIC   26,0
- TOTAL   53,7

ELECTRICAL PROPERTIES at 20°C

IMPEDANCE	50 ± 3 Ohm	
CAPACITANCE	80 pF/m	
VELOCITY RATIO	84%	

RESISTANCE
- INNER CONDUCT.   11,5 Ohm/Km
- BRAID   14,5 Ohm/Km

TENSION
- SHEATH   4,5 kV
SPARK TESTING

ATTENUATIONS dB/100 m.   MAX. POWER RATING W

		dB	W			dB	W			dB	W
5	MHz	1,9	3536	450	MHz	17,4	373	1800	MHz	36,4	186
10	MHz	2,7	2500	600	MHz	20,2	323	2000	MHz	39,1	177
30	MHz	4,4	1443	800	MHz	23,5	280	2500	MHz	43,8	158
50	MHz	5,6	1118	900	MHz	24,7	264	3000	MHz	48,6	144
150	MHz	9,5	645	1000	MHz	26,4	250	5200	MHz	67,4	110
220	MHz	11,7	533	1500	MHz	32,9	204	5800	MHz	71,8	104

STRUCTURAL RETURN LOSS dB   SCREENING EFFECTIVENESS dB

30 ÷ 450	MHz	>25	2000 ÷ 3000	MHz	>16	100 ÷ 900	MHz	>95
450 ÷ 1000	MHz	>20	3000 ÷ 4000	MHz	>15	900 ÷ 2000	MHz	>85
1000 ÷ 2000	MHz	>17	4000 ÷ 5800	MHz	>11	2000 ÷ 3000	MHz	>75

The producer reserves himself to make modification on the item without any notice.

Information about WeWash

Market leader with experience

WeWash was founded in 2016 as part of BOSCH Group. A team of 25 people ensures that communal washing is attractive for everyone involved. As the market leader in Germany for digital booking and billing systems in communal laundry rooms, WeWash offers a digital solution with a comprehensive service concept.

Thanks to a cashless billing and maintenance-free system, WeWash demonstrably and sustainably reduces your expenses! With over 100000 international users, WeWash currently has over 4000 installations in Europe.

We are already working successfully with many providers of student accommodations, serviced apartments, micro-apartments, property managers and the private and social housing sector.

Prices

The price list with the current prices of the different WeWash Box variants is available in a separate document. Please note that WeWash does not offer all WeWash Box variants in every country.
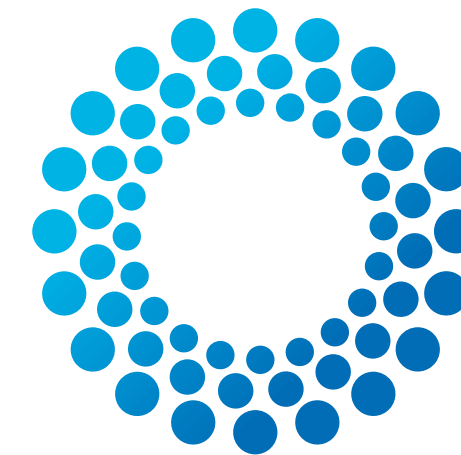
Contact

Do you have any further questions or would you like more information regarding the WeWash Box?

Feel free to contact the WeWash Sales Team anytime via e-mail or telephone. We are more than happy to help and talk about any possible options for you as well as pricing.

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80336 Munich
e-mail: sales@we-wash.com
phone: +49 89 740 55 44 50

In other EU countries, the UK and Switzerland the WeWash concept (developed by WeWash GmbH) is distributed via the local BSH network.

WeWash