BOSCH

Invented for life

LBB 4416/xx Network Cables

The network cables come in different lengths with connectors at both ends. The extension of the type number indicates the length of the cable. The LBB 4416/00 comes without connectors. The connectors (LBB 4417/00) are available for it separately.

Functions

LBB 4416 /01 /02 /05 /10 /20 /50

These are special cables with two plastic fibers for data communication and two copper cores for the power supply.

The cables all have the network connectors fitted. They connect the network controller to power amplifiers, audio expanders, call stations etc.

LBB 4416/00

This is a special cable with two plastic fibers for data communication and two copper cores for the power supply.

The cable is 100 meters long, and comes without network connectors. LBB 4417/00 connectors are fitted after the cable has been cut to the required length. It connects the network controller to power amplifiers, audio expanders, call stations etc.

Certifications and Approvals

Region	Certification	
Europe	CE	Declaration of Conformity
	TUEV-SUED	TUV Certificate IEC60849
	GL	GL-SOLAS
Safety		acc. to IEC 60065 / EN 60065
Immunity		acc. to EN 55103-2 / EN 50130-4 / EN 50121-4
Emissions		acc. to EN 55103-1 / FCC-47 part 15B
Emergency		acc. to EN 60849 / EN 54-16 / ISO 7240-16
Maritime		acc. to IEC 60945
Flame retardant		acc. to IEC 60332-1 60s
Halogen level		acc. to IEC 60754-2 pH >4.3, conductivity <10 uS/mm
Smoke level		acc. to IEC 61034-2 light transmission >60%

Installation/Configuration Notes

The cables have the following lengths

LBB4416/00	100 m (without connectors)
LBB4416/01	0.5 m
LBB4416/02	2 m
LBB4416/05	5 m
LBB4416/10	10 m
LBB4416/20	20 m
LBB4416/50	50 m

Technical Specifications

Electrical

Wire	Copper, stranded 1 mm^2
Resistance	<0.018 ohm/m

Optical

Fiber	PMMA, 1 mm
Numeric aperture	0.5
Attenuation	<0.17 dB/m @ 650 nm
Bending loss	<0.5 dB (r=20 mm, 90°) JIS C6861

Mechanical

Dimensions (diameter)	7 mm (0.28 in)
Color	Black
Pull force	150 N (max)

Environmental

Operating temperature	-40 °C to +65 °C (-40 °F to 149 °F)
Humidity	15% to 90%
Air pressure	600 to 1100 hPa

Ordering Information

LBB 4416/00 Network Cable 100m without the network connectors fitted	LBB4416/00
LBB 4418/00 Cable Connector Tool Kit Optical fiber cable connector tools	LBB4418/00
LBB 4417/00 Set Network Connectors (20 pcs) 20 connectors that can be used with the network cable.	LBB4417/00
LBB 4416/01 Network Cable Assembly 0.5m with the network connectors fitted	LBB4416/01
LBB 4416/02 Network Cable Assembly 2m with the network connectors fitted	LBB4416/02

Ordering Information

LBB 4416/05 Network Cable Assembly 5m with the network connectors fitted	LBB4416/05
LBB 4416/10 Network Cable Assembly 10m with the network connectors fitted	LBB4416/10
LBB 4416/20 Network Cable Assembly 20m with the network connectors fitted	LBB4416/20
LBB 4416/50 Network Cable Assembly 50m with the network connectors fitted	LBB4416/50

Accessories

LBB 4419/00 Cable Couplers (10 pcs) used to couple LBB 4416/xx network cable assemblies for extension.	LBB4419/00