

## Communication

Communication systems enable the communication between the operators and increase the safety during the works.

- **Full-duplex communication:**  
The system permits continuous two-way (full duplex) conversation between up to 20 participants.
- **Sound insulation:**  
The communication is of superior speech transmission quality at levels of ambient noise up to 110 dB(A).
- **Digital Noise Reduction:**  
Since all headsets are equipped with microphone with digital Noise Reduction, all noise interference is digitally suppressed.
- **Power supply:**  
The headset is powered either by the built-in rechargeable battery (max. 50 h use) or via the system voltage. If headsets are activated accidentally when not connected to the system, they will shut off automatically after two minutes to save battery power.
- **Multi user communication:**  
A communication between multiple headsets is also possible with the use of a junction box, or in combination of wired and radio communication via an interface. Thanks to the use of digital technology, volume levels no longer need to be adjusted when additional parties join the system – levels are adjusted fully automatically. Nonetheless, each participant can set his or her volume level individually on the headset.
- **Technical data:**

Loudspeaker:	Impedance:	32 $\Omega$ at 1 kHz
	Rated output:	0.4 W RMS
	Frequency response:	300 Hz - 4 kHz
	Distortion:	< 2 % / 1 kHz at 0.4 W RMS
Microphone:	Microphone:	noise-compensating electret microphone
	Sensitivity:	- 60 dB ( $\pm$ 3dB) re. 1V / Pa bei 1 kHz
Connecting lead:	Spiral cable: length:	500 mm
	material:	PU, black
Environment:	Operating temperature:	- 10 °C ... + 55 °C
	Storage temperature:	- 40 °C ... + 80 °C (max. storage temp.)
Physical data:	Weight:	512 g
Power supply:	via WireCom system voltage: 12 - 24 V stabilized, or	
	via NiMH: 3.6 V / 2500 mAh (depending on model)	
	Power-on time:	50 hours - depending on ambient temp.
	Battery charge time:	3 - 4 hours



**Available items:**

<b>Item no.</b>	<b>Description</b>
115722	Headset with microphone, NiMH accu and spiral cable 500 mm with 6.35 mm plug
115723	Charging device for headset
115724	Extension cable, length = 25 m, PU black, with 6.35 mm plug and socket
115725	Socket for board installation, suitable to the 6.35 mm plug