daGloane serial interface protocoll description

message:

0	1	2	3	4	5	...	n	n+1	n+2
msg_type	length	byte 0	byte 1	byte 2	byte 3	byte ...	byte n	CRC	CRC

Each message starts with a byte indicating the type of the message and a byte containing the total number of bytes (including CRC). The last two bytes of the message contain a CRC-16 (XMODEM-CRC)

message COBS encoded for transfer:

COBS	0	1	2	3	4	5	...	n	n+1	n+2	EOF
code	msg_type	length	byte 0	byte 1	byte 2	byte 3	byte ...	byte n	CRC	CRC	\0

COBS encoding eliminates any occurence of a null byte within the message frame. This allows us to use the null byte as a frame delimiter (EOF).
COBS encoding produces a consistent overhead of 1 byte (code)