

selfbus v0.0

1								2								3								4								5								6								
Control byte								Source address																Receiver address																N_PDU								
7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0									
1	0	R	1	P1	P0	0	0	AREA				LINE				DEVICE ADDRESS								Receiver address																T	Routing				Len			
Repeated 0 Not Repeated 1								S S S S				L L L L				D D D D D D D D								Area				Line				Device									0							
																								S S S S				L L L L				D D D D D D D D																
0 = backbone 1 to 15 = area								0 = main line 1 to 15 line				0 = coupler 1 to 64 = line Above 64 line extension								2 levels				Group				subgroup								1												
																				0 M M M M				S S S S				S S S S S S S S																				
																				3 levels				Group				Grp Middle				subgroup																
																				0 M M M M				Mi Mi Mi S				S S S S S S S S																				

FT1.2 protocol

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1 byte frame E5 Positive ACK

4 bytes frame 10 40 40 16 Reset Request
 10 C0 C0 16 Reset ind.
 10 49 49 16 N_DataConnected.ind
 10 8B 8B 16 N_DataConnected.ind_Response??

Variable len frame	68	L	L1	68	CR	data	C	16
					73	Odd frames Host to ObjectServer (default after reset)		
					53	Even frames Host to ObjectServer		
					F3	Odd frames ObjectServer to host (default after reset)		
					D3	Even frames ObjectServer to host		

DATA L bytes of data
 L Len of Data in this frame
 L1 Same than L
 CR Control byte, odd or even frames etc
 C Check sum "(byte) sum(cr +data[1]...data[x])
 0x16 End of frame

LINE_IDLE_TIMEOUT	Maximal time between two characters in a frame. Line idle detection time(after timeout is expired)	2ms
EXCHANGE_TIMEOUT	Maximal time between DATA and ACK frames. Minimal time between two repeated frames.	30ms

1							
0	1	2	3	4	5	6	7