

Type mapping

This table shows how different types match between the models. The use of n..n and 0..n multiplicities in the modeling tool is supported but will result in fixed variable sized signals in Simulink.

DDS for MagicDraw	Connex DDS XML	MATLAB Type	Simulink Type
Boolean	boolean	logical	boolean
Byte	byte	uint8	uint8
Char8	char8	uint8	uint8
Char16	char16	Not Supported	Not Supported
Float32	float32	single	single
Float64	float64	double	double
Float128	float128	Not Supported	Not Supported
Int16	int16	int16	int16
Int32	int32	int32	int32
Int64	int64	int64	int64
UInt16	uint16	uint16	uint16
UInt32	uint32	uint32	uint32
UInt64	uint64	uint64	uint64
String8	string	int8	int8
String16	wstring	Not Supported	Not Supported
Enum	enum	MATLAB Enumeration	Simulink.Enum
Union	union	Not Supported	Not Supported
Struct	struct	Matlab struct/class	Simulink.Bus
Map	struct+typedef	Matlab struct/class	Simulink.Bus
Bitmask	enum	MATLAB Enumeration	Simulink.Enum