

**Table 1** outlines some of the most common signalling protocols along with the Novaris surge protection product best suited to your application. For other signalling protocols please contact Novaris to discuss your protection requirements.

Protocol	Signal Type	Novaris Product		
I/O	± 5 VDC, < 250kHz	SL7v5-G	SLT1-7v5	
I/O	± 12 VDC, < 250kHz	SL18-G	SLT1-18	
I/O	± 24 VDC, < 250kHz	SL36-G	SLT1-36	
I/O	± 48 VDC, < 250kHz	SL68-G	SLT1-68	
I/O	0-20mA / 4-20mA	SL420-G	SLT1-36	
I/O	RS-232	DB9-RS232	DB25-RS232	SL-DH
I/O	RS-422	SL485-EC90 (x2)	DB9-RS485	
I/O	RS-452	SL485-EC90 (x2)	DB9-RS485	
I/O	RS-485	SL485-EC90	DB9-RS485	
I/O	1-Wire	SL485-EC90	DB9-RS485	
10/100/1000BaseT	Ethernet	RJ45-xCAT6		
AS-i	32 VDC 1-pair	SL36-G	SLT1-36	
BACnet	ARCNET / Ethernet / BACnet/IP	RJ45-xCAT6		
BACnet	RS-232	DB9-RS232	DB25-RS232	SL-DH
BACnet	RS-485	SL485-EC90	DB9-RS485	
BitBus	RS-485	SL485-EC90	DB9-RS485	
CAN Bus (Signal)	5 VDC 1-Pair	SL-DH	DB9-RS232	
C-Bus	36 VDC 1-pair	SSP6A-38		
CC-Link/LT/Safety	RS-485	SL485-EC90	DB9-RS485	
CC-Link IE Field	Ethernet	RJ45-xCAT6		
CCTV	Coaxial	CLB-MF-10		
CCTV	Power over Ethernet	RJ45-xPoE		
ControlNet	Coaxial	CLB-MF-10		
DALI	Digital Serial Interface	SL36-G	SLT1-36	
Data Highway/Plus	RS-485	SL485-EC90	DB9-RS485	
DeviceNet (Signal)	5 VDC 1-Pair	SL7v5-G	SLT1-7v5	
DF1	RS-232	DB9-RS232	DB25-RS232	SL-DH
DirectNET	RS-232	DB9-RS232	DB25-RS232	SL-DH
DirectNET	RS-485	SL485-EC90	DB9-RS485	
Dupline (Signal)	5 VDC 1-Pair	SL7v5-G	SLT1-7v5	
Dynalite	DyNet	RJ45-xPoE		
EtherCAT	Ethernet	RJ45-xCAT6		
Ethernet Global Data	Ethernet	RJ45-xCAT6		
Ethernet Powerlink	Ethernet	RJ45-xCAT6		
FIP Bus	RS-485	SL485-EC90	DB9-RS485	
FINS	Ethernet	RJ45-xCAT6		
FINS	RS-232	DB9-RS232	DB25-RS232	SL-DH
FINS	DeviceNet (Signal)	SL7v5-G	SLT1-7v5	
FOUNDATION Fieldbus H1	32 VDC 1-pair	SSP6A-38-G	SLT1-36	
FOUNDATION Fieldbus HSE	Ethernet	RJ45-xCAT6		
GE-SRTP	Ethernet	RJ45-xCAT6		
HART	4-20mA + HF Data	SL-DH		
HostLink	RS-232	DB9-RS232	DB25-RS232	SL-DH
HostLink	RS-422	SL485-EC90 (x2)	DB9-RS485	
Interbus	RS-485	SL485-EC90	DB9-RS485	
ISDN	PSTN	SL-PSTN	KP1/10/i	MPP-RJxx
KNX TP0/1	30 VDC 1-pair	SL36-G	SLT1-36	
KNXnet/IP	Ethernet	RJ45-xCAT6		
Load Cell	Wheatstone Bridge	LCP-36		
MODBUS	RS-485	SL485-EC90	DB9-RS485	
MODBUS TCP	Ethernet	RJ45-xCAT6		
P-Net	RS-485	SL485-EC90	DB9-RS485	
PieP	Ethernet	RJ45-xCAT6		
Power over Ethernet	Power over Ethernet	RJ45-xPoE		
Process Bus (P-Bus)	RS-485	SL485-EC90	DB9-RS485	
Profibus DP/FMS	RS-485	SL485-EC90	DB9-RS485	
Profibus PA	32 VDC 1-pair	SL36-G	SLT1-36	
Profinet IO	Ethernet	RJ45-xCAT6		
PSTN	POTS	SL-PSTN	KP1/10/i	MPP-RJxx
S-Bus	32 VDC 1-pair	SL36-G	SLT1-36	
Sercos III	Ethernet	RJ45-xCAT6		
Sinec H1	Ethernet	RJ45-xCAT6		
SynqNet	Ethernet	RJ45-xCAT6		
TTEthernet	Ethernet	RJ45-xCAT6		
xDSL	PSTN	SL-PSTN	KP1/10/i	MPP-RJxx