Cabling Guide

Choose the correct cable for your TDSi System

The following tables show the recommended cable types that should be used when making connections to our GARDiS and EXgarde Access Control Systems. If you have any questions or require any clarification please get in touch.

Product Description	Part Number	Cable Type	Cores	Maximum Distance
TDSi Readers GARDiS Exprox Exprox 2 EXsmart DIGIgarde Plus	5002-06XX 5002-0354 5002-0355 5002-0395 5002-0396 5002-0356 5002-0357 5002-0433 5002-0434 5002-0435 5002-0436 5002-0440U 5002-0441U 5002-0442U 5002-0450	Belden 9730	6	150m
		Belden 9503	6	150m
		OS6C24/Alpga 5096/BICC H8124	6	150m
		Screened Alarm Cable	8	150m
		Cat 6/Cat 7	8	150m
RS485* Communications		Belden 9729	4	1,200m
		FBOS2P24	4	900m
		OS2P22/Alpha 5902/Belden9502	4	530m
		OS4C24/Alpha 5094/BICC H8123	4	400m
* Not on EXcel4		Screened Alarm Cable	8	300m
Inputs		7/0.2mm (Screened)	2	300m
Relays		7/0.2mm or 16/0.2mm (Screened)	2	Dependant on load and cable choice

Dependent on the converter and cable type used. When using an EX9520R converter or USB to serial converter configured to 2-wire mode, a maximum cable length of 500m is possible. Use of an MA45 converter or USB to serial converter configured for 4-wire mode will allow distances of up to a maximum of 1,200m to be achieved.