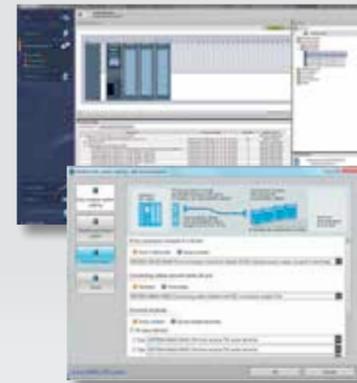


TIA Selection Tool

The fast and accurate choice for your system cabling

TIA Selection Tool – simple, helpful, and for free

- Fast, simple selection and configuration of all necessary controllers and input/output modules
- Automatic preselection of the appropriate system cabling in accordance with the selected input/output module
- The compatible connection components in each case can be displayed simply by clicking on “Fully modular system cabling” or “Flexible connection system”
- Automatic generation of a product list containing all the components of your SIMATIC system, including system cabling
 - Can be saved, e.g. as PDF or as CSV
 - Can be exported to the CAx Download Manager for further use
 - Can be directly imported into the Siemens Industry Mall shopping cart



Fully modular system cabling



Flexible connection system

Ordering data for SIMATIC TOP connect for SIMATIC S7-300/ET 200M

The fully modular connection for SIMATIC S7-300/ET 200M for fast and clear connection to sensors and actuators in the field

SIMATIC S7-300/ET 200M

Connectable cables (provided in lengths of 0.5 m to 10 m)

Connection module with socket for connectable cables

Front connector modules		Connecting cables		Connection modules																																																																																																																																																																		
<p>Front connector module for SIMATIC S7-300 compact CPU 31 and digital modules</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Terminals for input voltage</th> <th>Order No.</th> </tr> <tr> <td>For SIMATIC S7-300 compact CPU 312C</td> <td>6ES7921-3AK20-0AA0</td> </tr> <tr> <td>Screw terminals</td> <td></td> </tr> </table>		Terminals for input voltage	Order No.	For SIMATIC S7-300 compact CPU 312C	6ES7921-3AK20-0AA0	Screw terminals		<p>Round cable, pre-assembled</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Length</th> <th>Order No.</th> </tr> <tr> <td colspan="2">unshielded 16-pole</td> </tr> <tr> <td>0.5 m</td> <td>6ES7923-0BA50-0CB0</td> </tr> <tr> <td>1.0 m</td> <td>6ES7923-0BB50-0CB0</td> </tr> <tr> <td>1.5 m</td> <td>6ES7923-0BB50-0CB0</td> </tr> <tr> <td>2.0 m</td> <td>6ES7923-0BC00-0CB0</td> </tr> <tr> <td>2.5 m</td> <td>6ES7923-0BC50-0CB0</td> </tr> <tr> <td>3.0 m</td> <td>6ES7923-0BD00-0CB0</td> </tr> <tr> <td>4.0 m</td> <td>6ES7923-0BE00-0CB0</td> </tr> <tr> <td>5.0 m</td> <td>6ES7923-0BF00-0CB0</td> </tr> <tr> <td>6.5 m</td> <td>6ES7923-0BG50-0CB0</td> </tr> <tr> <td>8.0 m</td> <td>6ES7923-0BJ00-0CB0</td> </tr> <tr> <td>10 m</td> <td>6ES7923-0CB00-0CB0</td> </tr> <tr> <td colspan="2">shielded 16-pole</td> </tr> <tr> <td>1.0 m</td> <td>6ES7923-0BB00-0DB0</td> </tr> <tr> <td>2.0 m</td> <td>6ES7923-0BC00-0DB0</td> </tr> <tr> <td>2.5 m</td> <td>6ES7923-0BC50-0DB0</td> </tr> <tr> <td>3.0 m</td> <td>6ES7923-0BD00-0DB0</td> </tr> <tr> <td>4.0 m</td> <td>6ES7923-0BE00-0DB0</td> </tr> <tr> <td>5.0 m</td> <td>6ES7923-0BF00-0DB0</td> </tr> <tr> <td>6.5 m</td> <td>6ES7923-0BG50-0DB0</td> </tr> <tr> <td>8.0 m</td> <td>6ES7923-0BJ00-0DB0</td> </tr> <tr> <td>10 m</td> <td>6ES7923-0CB00-0DB0</td> </tr> </table>		Length	Order No.	unshielded 16-pole		0.5 m	6ES7923-0BA50-0CB0	1.0 m	6ES7923-0BB50-0CB0	1.5 m	6ES7923-0BB50-0CB0	2.0 m	6ES7923-0BC00-0CB0	2.5 m	6ES7923-0BC50-0CB0	3.0 m	6ES7923-0BD00-0CB0	4.0 m	6ES7923-0BE00-0CB0	5.0 m	6ES7923-0BF00-0CB0	6.5 m	6ES7923-0BG50-0CB0	8.0 m	6ES7923-0BJ00-0CB0	10 m	6ES7923-0CB00-0CB0	shielded 16-pole		1.0 m	6ES7923-0BB00-0DB0	2.0 m	6ES7923-0BC00-0DB0	2.5 m	6ES7923-0BC50-0DB0	3.0 m	6ES7923-0BD00-0DB0	4.0 m	6ES7923-0BE00-0DB0	5.0 m	6ES7923-0BF00-0DB0	6.5 m	6ES7923-0BG50-0DB0	8.0 m	6ES7923-0BJ00-0DB0	10 m	6ES7923-0CB00-0DB0	<p>Flat cable (sold by the meter)</p> <table border="1" style="width: 100%; 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The flexible connection for SIMATIC S7-300/ET 200M/S7-400: simple wiring for the control cabinet

SIMATIC S7-1500/ET 200MP

20 or 40 free wires

Wired front connector for digital I/O module

Front connector with single cores for S7-300/ET 200M		for S7-400		
Version / length	Packaging unit	for 32 digital I/O modules	for 16 digital I/O modules	for 32 digital I/O modules
		Order No.	Order No.	Order No.
Core type H05V-K (0.5 mm² with screwed connection)				
2.5 m	1 unit	6ES7922-3BC50-0AC0	6ES7922-3BC50-0AB0	6ES7922-4BC50-0AD0
3.2 m	1 unit	6ES7922-3BD20-0AC0	6ES7922-3BD20-0AB0	6ES7922-4BD20-0AD0
5.0 m	1 unit	6ES7922-3BF00-0AC0	6ES7922-3BF00-0AB0	6ES7922-4BF00-0AD0
2.5 m	5-pack	6ES7922-3BC50-5AC0	6ES7922-3BC50-5AB0	
3.2 m	5-pack	6ES7922-3BD20-5AC0	6ES7922-3BD20-5AB0	
5.0 m	5-pack	6ES7922-3BF00-5AC0	6ES7922-3BF00-5AB0	
Core type H05V-K (0.5 mm² with crimp connection)				
2.5 m	1 unit	6ES7922-3BC50-0AG0	6ES7922-3BC50-0AF0	6ES7922-4BC50-0AE0
3.2 m	1 unit	6ES7922-3BD20-0AG0	6ES7922-3BD20-0AF0	6ES7922-4BD20-0AE0
5.0 m	1 unit	6ES7922-3BF00-0AG0	6ES7922-3BF00-0AF0	6ES7922-4BF00-0AE0
Core type UL/CSA-certified (0.5 mm² with screwed connection)				
3.2 m	1 unit	6ES7922-3BD20-0UC0	6ES7922-3BD20-0UB0	6ES7922-4BD20-0UD0
5.0 m	1 unit	6ES7922-3BF00-0UC0	6ES7922-3BF00-0UB0	6ES7922-4BF00-0UD0

¹⁾ o = output, for 24 V output module with switching power > 24 V / 0.5 A, outputs 230 V AC / 3 A, 20 cycles/min.
²⁾ i = input, for 24 V input module with 230 V – input signal AC, outputs 24 V
³⁾ o = output, for 24 V output module with switching power > 24 V / 0.5 A, outputs 230 V AC / 4 A, 500 cycles/sec.