I/O Expansion Cable

General Features (6ES7 290-6AA20-0XA0)	
Cable length	0.8 m
Weight	25 g
Connector type	10 pin ribbon

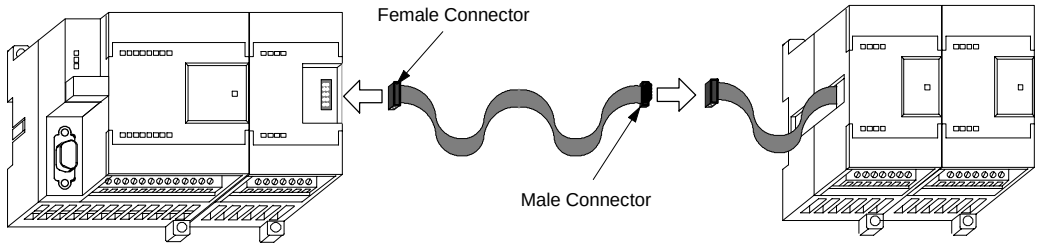


Figure A-43 Typical Installation of the I/O Expansion Cable

Tip
Only one expansion cable is allowed in a CPU/expansion module chain.

Expansion Modules	Order Number
SIWAREX MS Micro Scale Module (includes manual)	7MH4 930-0AA01
SINAUT MD720-3 GSM/GPRS Modem	6NH9 720-3AA00
SINAUT ANT 794-4MR Antenna GSM Quadband AMD UMTS	6NH9 860-1AA00
Communications Modules	**Order Number**
EM 277 PROFIBUS-DP Module	6ES7 277-0AA22-0XA0
CP 243-2 AS Interface Module	6GK7 243-2AX01-0XA0
CP 243-1 Ethernet Module (with electronic documentation on CD)	6GK7 243-1EX00-0XE0
CP 243-1 IT Internet Module (with electronic documentation on CD)	6GK7 243-1GX00-0XE0
Cartridges and Cables	**Order Number**
Memory Cartridge, 64K (user program, recipe, and data logging)	6ES7 291-8GF23-0XA0
Memory Cartridge, 256K (user program, recipe, and data logging)	6ES7 291-8GH23-0XA0
Real-Time Clock with battery Cartridge (CPU 221 and CPU 222)	6ES7 297-1AA23-0XA0
Battery Cartridge	6ES7 291-8BA20-0XA0
I/O Bus Extension Cable, 0.8 meters	6ES7 290-6AA20-0XA0
Programming Cable, RS-232/PPI Multi-Master	6ES7 901-3CB30-0XA0
Programming Cable, USB/PPI Multi-Master	6ES7 901-3DB30-0XA0
P/C Adapter, USB	6ES7 972-0CB20-0XA0
SIWAREX MS - SIWATOOL MS Cable	7MH4 702-8CB
Software	**Order Number**
STEP 7-Micro/WIN (V4.0) Individual License (CD-ROM)	6ES7 810-2CC03-0YX0
STEP 7-Micro/WIN (V4.0) Upgrade License (CD-ROM)	6ES7 810-2CC03-0YX3
STEP 7-Micro/WIN Add-on: STEP 7-Micro/WIN 32 Instruction Library, V1.1 (CD-ROM)	6ES7 830-2BC00-0YX0
S7-200 PC Access V1.0 (OPC Server) Individual License	6ES7 840-2CC01-0YX0
S7-200 PC Access V1.0 (OPC Server) Multi-copy License	6ES7 840-2CC01-0YX1
WinCC flexible 2007 Micro Individual License (DVD-ROM without license key)	6AV6 610-0AA01-2CA8
WinCC flexible 2007 Micro Upgrade License (DVD-ROM without license key)	6AV6 610-0AA01-2CE8
WinCC flexible 2007 Compact Individual License (DVD-ROM with license key)	6AV6 611-0AA51-2CA5
WinCC flexible 2007 Compact Upgrade License (DVD-ROM with license key)	6AV6 611-0AA51-2CE5
SIWATOOL MS Configuration software or SIWAREX MS Micro Scale	7MH4 930-0AK01
SINAUT MICRO SC 8 Single License for 1 Installation	6NH9 910-0AA10-0AA3
SINAUT MICRO SC 64 Single License for 1 Installation	6NH9 910-0AA10-0AA6
SINAUT MICRO SC 256 Single License for 1 Installation	6NH9 910-0AA10-0AA8

Communications Cards	Order Number
CP 5411: Short AT ISA	6GK1 541-1AA00
CP 5512: PCMCIA Type II	6GK1 551-2AA00
CP 5611: PCI card (version 3.0 or greater)	6GK1 561-1AA00