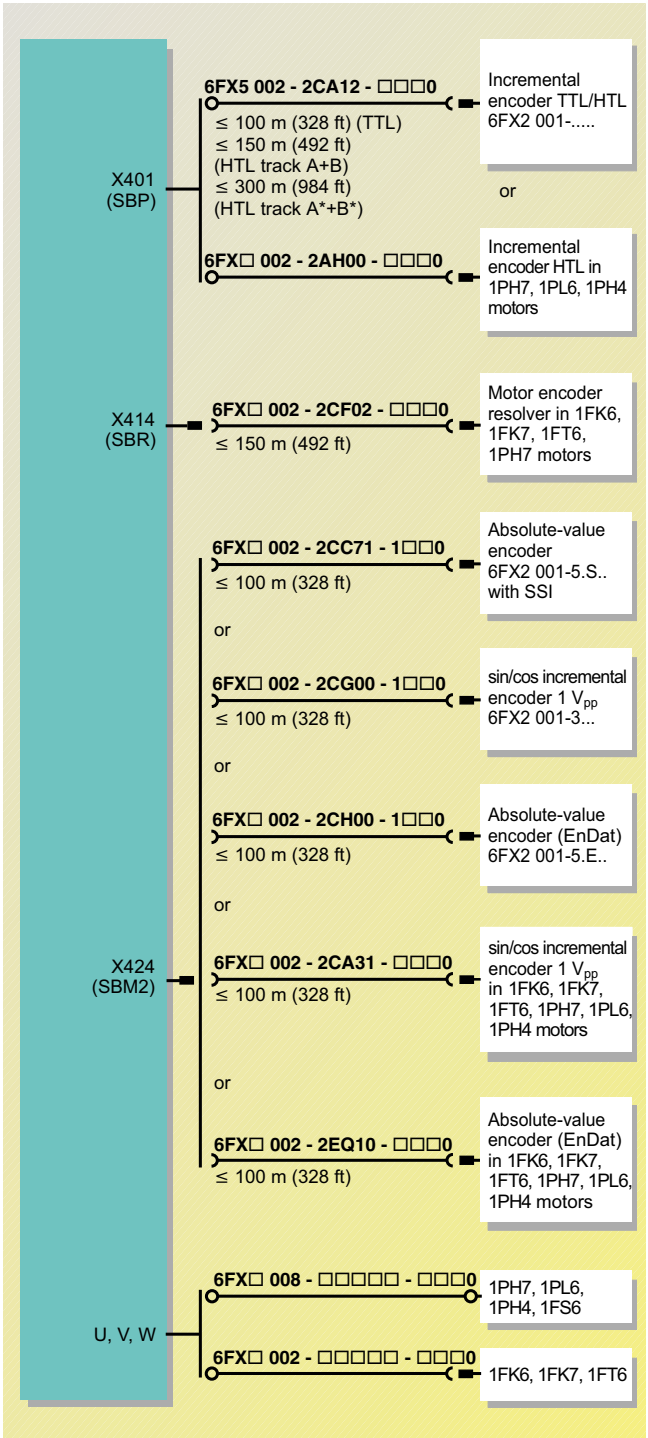
Connection overview



Current carrying capacity (I_z) of PVC-insulated copper conductors acc. to IEC 60 204-1: 1997 ++ Corrigendum 1998

Cross-section	Current carrying capacity I_z (A) with installation types (see C 1.2)			
mm²	B1	B2	C	E
0.75	7.6	–	–	–
1.0	10.4	9.6	11.7	11.5
1.5	13.5	12.2	15.2	16.1
2.5	18.3	16.5	21	22
4	25	23	28	30
6	32	29	36	37
10	44	40	50	52
16	60	53	66	70
25	77	67	84	88
35	97	83	104	114
50	–	–	123	123
70	–	–	155	155
95	–	–	192	192
120	–	–	221	221
Electronics (pairs)				
0.2	–	–	4.0	4.0
0.3	–	–	5.0	5.0
0.5	–	–	7.1	7.1
0.75	–	–	9.1	9.1

Correction factors

Ambient air temperature		Correction factor
°C	(°F)	
30	(86)	1.15
35	(95)	1.08
40	(104)	1.00
45	(113)	0.91
50	(122)	0.82
55	(131)	0.71
60	(140)	0.58

Note: The correction factors are taken from IEC 60 364-5-523, table 52-D1.

The current carrying capacity I_z of PVC-insulated conductors is specified in the table above for an ambient air temperature of +40 °C (104 °F). For other ambient temperatures, the values must be corrected with the correction factors from the table above.

This standard applies also to PUR cables.