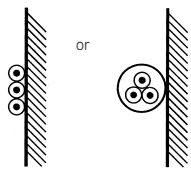
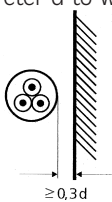
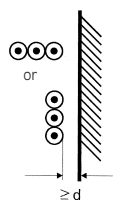
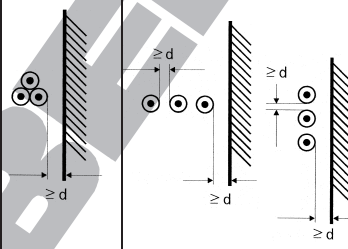


Current ratings for installation conditions C, E, F and G

Cables for fixed installation within buildings

Operating temperature at conductor 90°C; Ambient temperature 30°C

Type designation	NI2XY, N2XY, N2X2Y N2XH, N2XCH ¹⁾ NHXH FE180, NHXCH FE180 ¹⁾ NHXHX FE180, NHXCHX FE180 ¹⁾ NHXH-X, NHXCHX ¹⁾				NI2XY, N2XY, N2X2Y N2XH NHXH FE180 NHXHX FE180 NHXH-X				
Installation: ● directly ● in open air	Single core or multicore cables or single or multicore sheathed cables on a wall 		Multicore cables or multicore sheathed cables with a space of minimum 0,3x diameter d to wall 		Single core cables or single core sheathed cables with a space of minimum 1 x diameter d to wall with contact 		with gap d 		
	direct installation		installation in open air						
Installation method ²⁾	C		E		F		G		
Number of loaded cores	2	3	2	3	2	3			
Cross-section, mm ²	Current ratings in Ampere (A)								
1,5	24	22	26	23	–	–	–	–	–
2,5	33	30	36	32	–	–	–	–	–
4	45	40	49	42	–	–	–	–	–
6	58	52	63	54	–	–	–	–	–
10	80	71	86	75	–	–	–	–	–
16	107	96	115	100	–	–	–	–	–
25	138	119	149	127	161	141	135	182	161
35	171	147	185	158	200	176	169	226	201
50	209	179	225	192	242	216	207	275	246
70	269	229	289	246	310	279	268	353	318
95	328	278	352	298	377	342	328	430	389
120	382	322	410	346	437	400	383	500	454
150	441	371	473	399	504	464	444	577	527
185	506	424	542	456	575	533	510	661	605
240	599	500	641	538	679	634	607	781	719
300	693	576	741	621	783	736	703	902	833
400	–	–	–	–	940	868	823	1085	1008
500	–	–	–	–	1083	998	946	1253	1169
630	–	–	–	–	1254	1151	1088	1454	1362

Conversion factors for deviating ambient temperature, grouping, installation under the ceiling, multicore cables and insulated wires – see DIN VDE 0298 part 4.

¹⁾ The current ratings are valid for cables with concentric conductor, only for multicore versions
²⁾ for further installation methods – see DIN VDE 0298 part 4