

CONSTRUCTION

- 1 Copper conductor (Class 1 - 2)
- 2 XLPE insulation
- 3 LSZH filler
- 4 LSZH outer sheath



SPECIFICATIONS

Code : N2XH
 Standards : VDE 0276 -604
 Rated Voltage : $U_0/U=0.6/1$ kV

Application :
 Used in places which are subject to fire danger such as hotels, hospitals, shopping centers, power plants, information technology centers and in places where human groups are carried by railway systems and also where valuable equipments are kept. These cables do not conduct flame during fire, do not create high smoke density, do not create corrosive ambients and therefore provides increased protection. Can be used internally, externally or in underground where no mechanical stress.



Temperature Range



Max. Operating Temperature



Short Circuit Temperature



Flame Retardant IEC 60332 -1-2



Flame Retardant IEC 60332 -3-24 Cat.C



Halogen Free IEC 60754-1/2



Low Smoke Emission IEC 61034-1/2



Min. Bending Radius $r=12 \times D$



RoHS Compliant

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter approx.	Net weight approx.	Delivery drum type for 1000 m. cable	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)			
					Earth		Air	
mm ²	mm	kg/km	cm	/ km (max.)	A	A	A	A
1x4 re	7	73	60	4.61	82	54	57	44
1x6 re	8	95	60	3.08	102	67	72	56
1x10 mm	9	145	60	1.83	136	89	99	77
1x16 mm	10	205	70	1.15	176	115	131	102
1x25 mm	11	300	70	0.727	229	148	177	138
1x35 mm	12	390	80	0.524	275	177	217	170
1x50 mm	13	515	80	0.387	326	209	265	207
1x70 mm	15	710	90	0.268	400	256	336	263
1x95 mm	17	960	100	0.193	480	307	415	325
1x120 mm	19	1200	110	0.153	548	349	485	380
1x150 mm	21	1500	120	0.124	616	393	557	437
1x185 mm	23	1850	130	0.0991	698	445	646	507
1x240 mm	26	2380	140	0.0754	815	517	774	604
1x300 mm	28	3000	150	0.0601	927	663	901	697
1x400 mm	32	3800	160	0.0470	1064	749	1060	811
1x500 mm	36	4880	180	0.0366	1227	843	1252	940

PHYSICAL AND ELECTRICAL PROPERTIES

Nominal cross-section	Overall diameter approx.	Net weight approx.	Delivery length	Delivery drum type	Conductor DC resistance at 20°C	Current carrying capacity in (30°C)	
						Earth	Air
mm ²	mm	kg/km	m	cm	/ km (max.)	A	A
2x1,5 re	9	122	1000	60	12,1	31	24
2x2,5 re	10	154	1000	70	7,41	40	32
2x4 re	11	200	1000	70	4,61	52	42
2x6 re	12	260	1000	80	3,08	64	53
2x10 rm	15	395	1000	90	1,83	86	74
3x1,5 re	10	145	1000	70	12,1	31	24
3x2,5 re	11	185	1000	80	7,41	40	32
3x4 re	12	242	1000	80	4,61	52	42
3x6 re	13	316	1000	80	3,08	64	53
3x10 rm	16	500	1000	100	1,83	86	74
3x16/10 rm	19	840	1000	110	1,15	112	98
3x25/16 rm	23	1250	1000	130	0,727	145	133
3x35/16 rm	25	1550	1000	140	0,524	174	162
3x50/25 rm	28	2120	1000	150	0,387	206	197
3x70/35 rm	33	2950	1000	160	0,268	254	250
3x95/50 rm	37	3950	1000	180	0,193	305	308
3x120/70 rm	42	5080	1000	200	0,153	348	359
3x150/70 rm	45	6030	500	160	0,124	392	412
3x185/95 rm	51	7580	500	200	0,0991	444	475
3x240/120rm	57	9750	500	220	0,0754	517	564
3x300/150rm	64	12300	500	240	0,0601	585	649
4x1,5 re	11	170	1000	70	12,1	31	24
4x2,5 re	12	220	1000	80	7,41	40	32
4x4 re	13	295	1000	80	4,61	52	42
4x6 re	14	390	1000	90	3,08	64	53
4x10 rm	17	605	1000	100	1,83	86	74
4x16 rm	20	875	1000	120	1,15	112	98
4x25 rm	24	1300	1000	130	0,727	145	133
4x35 rm	26	1720	1000	140	0,524	174	162
4x50 rm	30	2300	1000	150	0,387	206	197
4x70 rm	35	3230	1000	180	0,268	254	250
4x95 rm	39	4340	1000	200	0,193	305	308
4x120 rm	44	5420	500	160	0,153	348	359
4x150 rm	48	6720	500	180	0,124	392	412
4x185 rm	54	8350	500	210	0,0991	444	475
4x240 rm	61	10810	500	220	0,0754	517	564
4x300 rm	68	13720	500	240	0,0601	585	649
5x1,5 re	12	200	1000	80	12,1	31	24
5x2,5 re	13	260	1000	80	7,41	40	32
5x4 re	14	350	1000	90	4,61	52	42
5x6 re	15	470	1000	100	3,08	64	53
5x10 rm	19	740	1000	110	1,83	86	74
5x16 rm	22	1070	1000	120	1,15	112	98
5x25 rm	26	1600	1000	140	0,727	145	133
5x35 rm	29	2130	1000	150	0,524	174	162