NSSHÖU

CABLE STRUCTURE

Conductor	Electrolytic annealed, class 5 stranded tinned copper wires
Insulation	3GI3 type cross-linked elastomeric compound (VDE 0207 - Part 20)
Inner Sheath	GM1b type cross-linked elastomeric compound (VDE 0207 - Part 21)
Outer Sheath	5GM5 type cross-linked elastomeric compound (VDE 0207 - Part 21)
Color	Yellow or Black

MAIN CHARACTERISTICS

Construction	VDE 0250-812
General Requirements	VDE 0250-1
Guide to Use	VDE 0298-3, VDE 0298-4
Electrical Tests	VDE 0472-501, 502, 503, 508, 512
Non-electrical Tests	VDE 0472-401, 402, 602, 303, 615, 613
Conductor Resistance	VDE 0295, IEC 60228
Flame Retardant	IEC 60332-1-2, VDE 0482-332-1-2
Oil Resistant	VDE 0473-811-404, EN 60811-404

OPERATING CHARACTERISTICS

Rated Voltage	600 / 1000 V (U_0/U)
AC Test Voltage	3 kV
Operating Tempetature	
In Flexing Use	-25˚C to +80˚C
In Fixed Use	-40˚C to +80˚C
Max. Conductor Operating Temp.	90˚C
Conductor Short-Circuit Temp.	250˚C (Max. 5 sec)
Min. Installation Temp.	-15˚C
Min. Bending Radius	VDE 0298-3 Tab.3
Current Carrying Capacities	VDE 0298-4 Tab. 15

APPLICATIONS

For use in mines, quarries, industrial areas, construction sites, agricultural operations and as trailing cable. The cables are also suitable for fixed application as power supply cable for underground mining and open-cast mining applications, for tunnelling applications and similar applications.

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
1x2,5	7,00	73	21	8,21
1x4	7,70	95	23	5,09
1x6	8,20	116	33	3,39
1x10	9,70	174	39	1,95
1x16	10,70	235	43	1,24
1x25	13,80	371	69	0,795
1x35	14,70	469	74	0,565
1x50	16,60	626	83	0,393
1x70	18,90	865	95	0,277
1x95	20,90	1095	105	0,206
1x120	23,20	1380	116	0,164
1x150	25,00	1673	125	0,132
1x185	28,30	2069	142	0,108
1x240	31,60	2707	158	0,0817
1x300	35,40	3369	177	0,0654
2x1,5	11,40	168	46	13,70
2x2,5	12,70	216	64	8,21
2x4	15,30	320	77	5,09
2x6	16,40	385	82	3,39
2x10	20,20	596	101	1,95
2x16	22,20	768	111	1,24
2x25	27,80	1184	139	0,795
2x35	29,60	1439	148	0,565
2x50	34,80	1998	174	0,393
2x70	40,00	2735	200	0,277
2x95	44,00	3394	220	0,206
3x1,5	11,90	191	48	13,70
3x2,5	13,40	253	67	8,21
3x4	16,10	375	81	5,09
3x6	17,20	454	86	3,39
3x10	21,30	713	107	1,95
3x16	23,40	935	117	1,24

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
3x25	29,40	1441	147	0,795
3x35	32,70	1883	164	0,565
3x50	38,20	2596	191	0,393
3x70	42,30	3411	212	0,277
3x95	48,40	4460	242	0,206
3x120	52,10	5390	261	0,164
3x150	55,90	6444	280	0,132
3x185	62,70	7944	314	0,108
3x25+16	31,60	1698	158	0,795
3x35+16	35,10	2173	176	0,565
3x50+25	42,00	3048	210	0,393
3x70+35	45,60	3967	228	0,277
3x95+50	50,50	4977	253	0,206
3x120+70	56,30	6370	282	0,164
3x150+70	62,20	7790	311	0,132
3x185+95	67,80	9254	339	0,108
3x240+120	77,30	12236	387	0,0801
3x25+16/3	29,80	1601	149	0,795
3x35+25/3	35,90	2327	180	0,565
3x50+25/3	38,40	2794	192	0,393
3x70+35/3	43,70	3783	219	0,277
3x95+50/3	48,30	4767	242	0,206
3x120+70/3	53,90	6062	270	0,164
3x150+70/3	56,30	6903	282	0,132
3x185+95/3	61,20	8291	306	0,108
3x240+120/3	71,10	11185	356	0,0801
4x1,5	12,80	223	64	13,70
4x2,5	15,50	336	78	8,21
4x4	17,20	439	86	5,09
4x6	18,50	540	93	3,39
4x10	23,00	854	115	1,95
4x16	26,40	1208	132	1,24
4x25	33,10	1859	166	0,795
4x35	35,30	2311	177	0,565

Cross Section (mm^2)	Nominal Overall Diameter (mm)	Approximate Weight (kg / km)	Min.Bending Radius (free movement) (mm)	Max. Resistance of Conductors at 20°C (ohm / km)
4x50	41,30	3192	207	0,393
4x70	45,90	4236	230	0,277
4x95	52,50	5537	263	0,206
4x120	58,50	6970	293	0,164
4x150	63,00	8367	315	0,132
4x185	70,40	10266	352	0,108
5x1,5	13,70	261	69	13,7
5x2,5	16,60	394	83	8,21
5x4	18,60	524	93	5,09
5x6	20,80	685	104	3,39
5x10	24,90	1028	125	1,95
5x16	28,60	1444	143	1,24
5x25	36,30	2252	182	0,795
5x35	40,20	2934	201	0,565
5x50	45,30	3873	227	0,393
5x70	52,30	5379	262	0,277
5x95	58,50	6849	293	0,206
7x1,5	16,70	385	84	13,70
7x2,5	18,80	513	94	8,21
7x4	22,00	733	110	5,09
10x1,5	18,90	478	95	13,7
10x2,5	22,20	685	111	8,21
12x1,5	20,10	564	101	13,7
12x2,5	22,80	760	114	8,21
12x4	26,80	1097	134	5,09
18x1,5	23,20	763	116	13,7
18x2,5	27,00	1083	135	8,21
24x1,5	25,90	924	130	13,70
24x2,5	31,90	1429	160	8,21
36x1,5	30,00	1318	150	13,7
36x2,5	36,20	1991	181	8,21
37x1,5	30,00	1328	150	13,70
37x2,5	33,10	1765	166	8,21
48x1,5	34,90	1763	175	13,70